

No. 83.

LEAVITT'S
FARMER'S
ALMANAC,
(IMPROVED)
1879.

BY WM. B. LEAVITT,

NEPHEW AND STUDENT OF DUDLEY LEAVITT.



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No. LXXXIII.

LEAVITT'S
FARMER'S
ALMANACK,
IMPROVED,
AND MISCELLANEOUS YEAR BOOK,
FOR THE YEAR OF OUR LORD

1879;

BEING UNTIL JULY FOURTH, THE HUNDRED AND THIRD OF AMERICAN
INDEPENDENCE.

CALCULATIONS AS TO THE LATITUDE AND LONGITUDE, SO AS TO ANSWER
FOR ALL THE NEW ENGLAND STATES.

Containing with the more than useful Astronomical Calculations, a larger
quantity and greater variety than are to be found
in any other Almanack of

MATTER, USEFUL, CURIOUS AND ENTERTAINING.

BY WILLIAM B. LEAVITT,

NEPHEW AND STUDENT OF DUDLEY LEAVITT,

TEACHER OF MATHEMATICS AND ASTRONOMY, WHO MADE THE CALCULA-
TIONS FROM 1797 TO 1857.



CALCULATIONS ACCORDING TO MEAN TIME.

CONCORD:

EDSON C. EASTMAN.

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TO OUR PATRONS.

Another year,—so long in anticipation, so short in retrospect,—has slipped away, leaving us another opportunity to tender you our kindest sympathy and congratulations,—sympathy in the hardships and afflictions incident to life, and congratulations on the many blessings which it has pleased God to bestow upon you. As an old friend, would that we could take you each by the hand, and hear from your individual lips the experience for joy or sorrow of each one of you, during the twelve months last past, and you would pardon our modest pride in the fact that the Almanac has attained a circulation and influence wider than ever before, and, in consequence, the preparation of the present number has been made with still greater efforts to achieve further success and merit further encouragement, and, with those ends in view, neither pains nor expense have been spared to make its observations accurate, and its whole contents authentic, interesting and valuable. Business depression seems to have awakened the people to the evils of extravagance, and made the more welcome our staid old New England publication, the primitive style, sage maxims, homely yet sensible advice, and economic teachings of which have not been lost or misappreciated.

And, dear readers, as for you, we bid you be honest, be loyal, be true; resolve life into something better than a mere greedy scramble for worldly possessions, and at all times and under all circumstances, Dare to do right!

Fathers and mothers, we beseech you not to under-estimate your missions in shaping the destiny of your children; and, children, be very gentle with the careworn parents who have so tenderly reared you from infancy; and young men and young women, you who are so soon to take the world in your own hands, with its professions, industries, trades and enterprises, its factories and stores, its household duties and anxieties, its thousands of responsibilities and cares, be careful that you appreciate the inestimable worth of a good character, a good life's work, and above all, a Christian's reward, and you may be assured of the sacred promises of the Bible, and of the good wishes of

William B. Leavitt

Eclipses in 1879.

There will be only three eclipses during this year, two of the *Sun* and one of the *Moon*, in the following order:

I. The first will be an *Annular* eclipse of the Sun, January 22d day, 7 o'clock and 6 minutes in the morning; invisible to any part of North America.

The eclipse begins on the earth in longitude $25^{\circ} 59'$ E. of Washington, D. C., and latitude 24° S.

Central eclipse begins in longitude $8^{\circ} 33'$ E. of Washington, and latitude $27^{\circ} 32'$ S.

Central eclipse ends on the earth in longitude $141^{\circ} 32'$ E. of Washington and latitude $7^{\circ} 45'$ N.

Ends on the earth in longitude $124^{\circ} 20'$ E. of Washington, and latitude $11^{\circ} 20'$ N.

II. The second will be an *Annular* eclipse of the Sun, July the 19th day, 4 o'clock and 21 minutes in the morning; invisible in North America.

This eclipse extends over the earth's territory from 40° of W. longitude from Greenwich, to nearly 120° E. longitude; and from 50° N. latitude to 55° S. latitude.

III. The third and last this year, will be a partial eclipse of the Moon, December the 28th day, 11 o'clock and 31 minutes in the forenoon, of course not visible to us, as the Moon will be far below the horizon.

Principal Articles of the Calendar for the Year 1879.

Golden Number	18	Dominical Letter	E
Epact	7	Roman Indiction	7
Solar Cycle	12	Julian Period	6592

Fixed and Movable Festivals.

Septuagesima Sunday,	Feb. 9	Rogation Sunday,	May 18
Quinquagesima Sund.,	Feb. 23	Holy Thursday,	May 22
Ash Wednesday,	Feb. 26	Whit Sunday,	June 1
First Sunday in Lent,	Mar. 2	Trinity Sunday,	June 8
Palm Sunday,	April 6	Corpus Christi,	June 12
Good Friday,	April 11	Michaelmas Day,	Sept. 29
Easter Sunday,	April 13	Advent Sunday,	Nov. 30
Low Sunday,	April 20	Christmas Day,	Dec. 25

Astronomical Characters and Explanations.

☉ The Sun.	♂ Mars.	♂ Conjunction.
☾ The Moon.	♃ Jupiter.	☐ Quadrature.
☿ Mercury.	♄ Saturn.	♄ Opposition.
♀ Venus.	♅ Uranus.	♊ Ascending Node.
♁ or ♂ The Earth.	♆ Neptune.	♋ Descending Node.
h. Hours.	° Degrees.	N. North. S. South.
m. Minutes of Time.	' Minutes of Arc.	E. East. W. West.
s. Seconds of Time.	" Seconds of Arc.	

I. ♈ Aries,	0°	V. ♌ Leo,	120°	IX. ♐ Sagitta.,	240°
II. ♉ Taurus,	30	VI. ♍ Virgo,	150	X. ♑ Capricor.	270
III. ♊ Gemini,	60	VII. ♎ Libra,	180	XI. ♒ Aquarius	300
IV. ♋ Cancer,	90	VIII. ♏ Scorpio,	210	XII. ♓ Pisces,	330

Morning and Evening Stars and their Phenomena.

Venus will be evening star from the beginning of the year till Sept. 23d, then morning star till the end of the year, &c.

Mercury makes five conjunctions with the Sun, two superior and three inferior.

The Moon runs the lowest, this year, Jan. 18th, and the highest, Feb. 2d, each of the declinations $26^{\circ} 45'$.

Commencement of the Four Seasons.

Spring quarter begins March 20th, 7h. E.

Summer quarter begins June 21st, 3h. E.

Fall quarter begins Sept. 23d, 5h. M.

Winter quarter begins Dec. 21st, 11h. E.

DIET TABLE,

SHOWING THE TIME REQUIRED TO DIGEST CERTAIN ARTICLES OF FOOD.

Articles.	Preparation.	Time.	
		H.	M.
Beef, fresh.....	Roasted.....	3	30
Beef, fresh.....	Fried.....	4	—
Beef, salted	Boiled	4	15
Veal, fresh.....	Fried	4	30
Veal, fresh.....	Broiled	4	—
Liver, beefs, fresh	Broiled	2	—
Mutton, fresh	Broiled or boiled.....	3	—
Lamb, fresh.....	Broiled	2	30
Pork, fat and lean.....	Roasted.....	5	15
Pork, recently salted	Boiled.....	4	30
Venison steak.....	Broiled	1	35
Tripe, soured	Boiled	1	—
Fowls, domestic.....	Boiled or roasted.....	4	—
Chicken.....	Fricassee	2	45
Ducks, wild.....	Roasted.....	4	30
Codfish, cured, dry.....	Boiled.....	2	—
Salmon, trout, fresh.....	Boiled or fried.....	1	30
Oysters, fresh.....	Raw.....	2	55
Oysters, fresh.....	Stewed	3	30
Striped bass, fresh.....	Broiled	3	—
Eggs	Raw.....	2	—
Eggs	Soft boiled.....	3	—
Eggs	Hard boiled or fried	3	30
Rice	Boiled	1	—
Potatoes, Irish.....	Boiled.....	3	30
Potatoes, Irish.....	Baked	2	30
Beans.....	Boiled	2	30
Sago	Boiled	1	45
Corn	Boiled	3	45
Corn bread	Baked	3	15
Wheat bread	Baked	3	30
Milk	Boiled	2	—
Milk	Raw	2	15
Apples, sweet.....	Raw	1	30
Apples, sour	Raw	2	—

ELECTIONS, &c., IN NEW ENGLAND.

Maine, 2d Monday in Sept.; Legislature meets 1st Wednesday in Jan.
New Hampshire, biennially, on the Tu. next after the 1st Monday in November, beginning with 1878; Legislature meets biennially, beginning with 1st Wed. in June, 1879. Town meeting as usual, on 2nd Tu. of March, with a few exceptions.

Vermont (biennial), 1st Tu. in Sept.; Legislature meets 2d Tues. in Oct.
Massachusetts, Tues. after 1st Mon. in Nov.; Legis. meets 1st Wed. in Jan.
Rhode Island, 1st Wednesday in April; Legislature meets May and Jan.
Connecticut, 1st Monday in April; Legislature meets 1st Wed. in May.

THE AMERICAN UNION.

Virginia, settled by the English,	1607	Indiana, admitted to the Union,	1816
New York, by Dutch,	1614	Mississippi, " " "	1817
Massachusetts, by Puritans,	1620	Illinois, " " "	1818
New Hampshire, by Puritans,	1623	Alabama, " " "	1819
New Jersey, by Dutch,	1624	Maine, " " "	1820
Delaware, by Swedes and Fins,	1627	Missouri, " " "	1821
Maryland, by Irish Catholics,	1635	Michigan, " " "	1836
Connecticut, by Puritans,	1635	Arkansas, " " "	1836
R'de Island, by Roger Williams,	1636	Florida, " " "	1845
North Carolina, by English,	1650	Texas, " " "	1845
South Carolina, by Huguenots,	1670	Iowa, " " "	1846
Pennsylvania, by William Penn,	1682	Wisconsin, " " "	1848
Georgia, by Gen. Oglethorpe,	1733	California, " " "	1850
		Minnesota, " " "	1858
Vermont, admitted to the Union,	1791	Oregon, " " "	1859
Kentucky, " " "	1792	Kansas, " " "	1861
Tennessee, " " "	1796	West Virginia, " " "	1863
Ohio, " " "	1802	Nevada, " " "	1864
Louisiana, " " "	1811	Colorado, " " "	1876

STATUTE WEIGHT OF A BUSHEL OF GRAIN AND OTHER ARTICLES IN THE NEW ENGLAND STATES.

Maine—Wheat 60 lbs.; corn (shelled), 56; Barley, 48; Buckwheat, 48; Corn and Rye Meal, 50; Carrots, 50; Ruta Baga, Sugar Beet and Mangel Wurtzel, 64; Irish Potatoes, 60; Hair Plastering, 11.

New Hampshire—Wheat, 60 lbs.; Corn (shelled), 56; Rye, 56; Oats, 32; Corn and Rye Meal, 50; Sweet or Irish Potatoes, 62; Beans, 50; Peas, 60.

Massachusetts—Wheat, 60 lbs.; Corn or Rye, 56; Oats, 32; Barley or Buckwheat, 48; Cracked Corn, Corn

or Rye Meal, or any other Meal except Oat Meal, 50; Onions, 56; Salt, 70—a ton 2000 lbs.

Rhode Island—Indian and Rye Meal, 50; Irish Potatoes, 60; Onion and all other root crops, 50; Turnips, 50.

Connecticut—Wheat, 60 lbs.; Rye or Corn, 56; Barley or Buckwheat, 48; Oats, 32; Ground Corn, or Rye, 59; Potatoes, Sugar Beet, Mangel Wurtzel and Ruta Baga, 60; Carrots, 55; Parsnips, 45; English Turnips, 50; White Beans, 60; Peas, 60; Onions, 50.

COLLEGE COMMENCEMENTS IN NEW ENGLAND.

Massachusetts Institute of Technology, Boston—Academical year from last Monday in September to 1st of June.

Harvard, at Cambridge, Mass.—last Wednesday in June.

Tufts College, Medford, Mass.—2d Wednesday in July.

Amherst, at Amherst, Mass.—Last Thursday in June.

Williams, at Williamstown, Mass.—First Wednesday in July.

Andover, Theo. Sem. at Andover, Mass.—Thurs. before the 4th of July.

Newton, Theo. Inst. at Newton Centre, Mass.—2d Wed. in June.

Yale, at New Haven, Conn.—Last Thursday but one in June.

Trinity, at Hartford, Conn.—Thursday before the 4th of July.

Wesleyan, at Middletown, Ct., last Thursday of June.

University of Vermont and State Agricultural College, at Burlington.

—Last Wednesday in June.

Middlebury, at Middlebury, Vt.—First Wednesday in July.

Dartmouth, at Hanover, N. H.—Last Thursday of June.

Brown, at Providence, R. I.—3d Wednesday in June.

Bowdoin, at Brunswick, Me.—1st Wednesday in July.

Colby University, at Waterville, Me.—4th Wednesday in July.

Maine Wesleyan Sem. & Female College, at Kent's Hill.—Three terms, 13 weeks each. Fall term commences 2d Mon. in Aug.; Winter term, 1st Mon. in Dec.; Spring term, 2d Mon. in Mar.

Bangor, Theo. Sem. at Bangor, Me.—Last Wednesday in July.

Norwich University, at Northfield, Vt.—4th Thursday in June.

SUN'S DECLINATION.

SOUTH.			SOUTH.			SOUTH.			SOUTH.			SOUTH.			SOUTH.		
D	°	'	D	°	'	D	°	'	D	°	'	D	°	'	D	°	'
1	23	1	6	22	33	11	21	51	16	20	58	21	19	56	26	18	45
2	22	56	7	22	24	12	21	40	17	20	47	22	19	42	27	18	30
3	22	51	8	22	16	13	21	31	18	20	35	23	19	29	28	18	14
4	22	44	9	22	8	14	21	20	19	20	22	24	19	15	29	18	0
5	22	39	10	21	59	15	21	10	20	20	9	25	19	0	30	17	42

Moon Changes, Fulls and Quarters.

○ Full Moon, 8th day, 7h. 3m., in the morning.—W.

☾ Last Quarter, 15th day, 6h. 17m., in the morning.—S.

☾ New Moon, 22d day, 7h. 6m., in the morning.—E.

☾ First Quarter, 30th day, 7h. 0m., in the morning.—N.

D. M.	D. W.	Observable Days, Aspects, Weather, &c.	☾ R. h. m.	☾ S. h. m.	☾'s place	☾ SO. h. m.	R ☾ S. h. m.
1 W.		Electrical disturbances	7 30	4 38	head	6 44	0 59
2 Th.		☾ in Perigee. <i>high</i>	7 30	4 39	neck	7 29	1 59
3 Fr.		<i>winds and snow.</i>	7 30	4 40	neck	8 16	2 59
4 Sa.		Bat. Princeton, 1777.	7 30	4 40	arms	9 5	4 2
5 S.		☾ Stationary. <i>Snow.</i>	7 30	4 42	arms	9 59	5 1
6 Mo.		<i>Rain at sea level, snow</i>	7 30	4 43	arms	10 55	6 6
7 Tu.		☾ runs hi. <i>on heights.</i>	7 29	4 44	br'st	11 50	6 57
8 W.		High tides. <i>A cold,</i>	7 29	4 45	br'st	morn	rises
9 Th.		<i>rough period from</i>	7 29	4 46	heart	0 46	6 14
10 Fr.		☾ in Aph. <i>8th to 10th.</i>	7 28	4 47	heart	1 39	7 26
11 Sa.		A. Hamilton b. 1757.	7 28	4 48	belly	2 29	8 41
12 S.		<i>The planets are silent</i>	7 28	4 49	belly	3 18	9 53
13 Mo.		<i>from 11th to 12th.</i>	7 27	4 50	reins	4 6	11 2
14 Tu.		☾ in Perigee.	7 27	4 51	reins	4 54	morn
15 W.		<i>Many clouds.</i>	7 27	4 52	reins	5 44	0 21
16 Th.		Low tides. <i>Cold.</i>	7 26	4 53	sec's	6 37	1 39
17 Fr.		Franklin b. 1706.	7 25	4 55	sec's	7 34	2 56
18 Sa.		Webster b.'82. <i>Windy</i>	7 25	4 56	thi's	8 33	3 9
19 S.		☾ runs low. ☿ ☿ ☾.	7 24	4 57	thi's	9 34	5 22
20 Mo.		☿ ☿ ☾. <i>No planetary</i>	7 24	4 58	kne's	10 34	6 14
21 Tu.		<i>reading. Dry atmos-</i>	7 24	5 0	kne's	11 30	7 2
22 W.		☾ eclipsed inv. <i>phere.</i>	7 23	5 1	legs	ev. 23	sets
23 Th.		H. tid. ☿ ☿ ☾. ♃ ☿ ☾.	7 22	5 2	legs	1 11	6 28
24 Fr.		<i>Ther. rises. [☿ ☿ ♃.</i>	7 21	5 3	feet	1 56	7 37
25 Sa.		Burns b. 1759.	7 21	5 5	feet	2 38	8 41
26 S.		<i>Snow on heights; rain</i>	7 20	5 6	feet	3 18	9 43
27 Mo.		♃ ☿ ☾. <i>near the sea.</i>	7 19	5 7	head	3 59	10 44
28 Tu.		<i>Fair and cold.</i>	7 18	5 8	head	4 39	11 44
29 W.		☾ in Apogee. <i>High</i>	7 17	5 10	neck	5 22	morn
30 Th.		<i>winds and stormy.</i>	7 16	5 12	neck	6 8	0 45
31 Fr.		Low tides.	7 15	5 13	neck	6 55	1 48



A general description for the month.—The planetary configurations are not numerous this month; but cold, rough and boisterous. Uranus, Saturn and Mercury play a conspicuous part and raise the deuce with the snow.

M.	W.	Day	Days'	D's	High	☉	●	The Farmer's Register, Domes- tic Economy, &c.	
D.	D.	break. h. m.	length. h. m.	inc. h. m.	Water	s c m.	A. d.		
1	4	5 44	9 8	0 4	5 22	4	9	According to the almanac makers winter began on the 21st of last month, only about ten days ago, but generally cold winter weather comes	
2	5	5 43	9 9	0 4	6 27	4	10		
3	6	5 43	9 10	0 6	7 41	5	11		
4	7	5 43	9 10	0 6	8 45	5	12		
5	E	5 42	9 12	0 6	9 40	6	13		
6	2	5 41	9 13	0 8	10 26	6	14	SABBATH I.	
7	3	5 41	9 15	0 8	11 9	6	15	on about a month or six weeks before that time, so the farmers' stock has made considerable of an inroad upon his hay and grain by this time. It is well for a farmer to make an estimate and see	
8	4	5 40	9 16	0 10	11 50	7	16		
9	5	5 39	9 17	0 10	morn	7	17		
10	6	5 39	9 19	0 12	0 27	8	18		
11	7	5 38	9 20	0 14	1 3	8	19		
12	E	5 36	9 21	0 16	1 41	8	20	SABBATH II.	
13	2	5 36	9 23	0 18	2 19	9	21	if he is likely to have sufficient hay to carry all of his stock through till spring. He can estimate the weight of his hay in the hay-mow and on the scaffolds, by measuring it. Good first quality hay	
14	3	5 35	9 24	0 20	3 2	9	22		
15	4	5 35	9 25	0 22	3 56	10	23		
16	5	5 34	9 27	0 22	5 8	10	24		
17	6	5 33	9 30	0 24	6 37	10	25		
18	7	5 32	9 31	0 26	8 2	11	26	SABBATH III.	
19	E	5 31	9 33	0 28	9 15	11	27	on a scaffold will require about 600 solid feet to a ton of 2000 lbs. In a deep mow fifteen to twenty feet deep, it will not require, on an average, more than 500 solid feet, or 400 feet at the bottom and	
20	2	5 30	9 34	0 30	10 9	11	28		
21	3	5 29	9 36	0 32	10 54	12	29		
22	4	5 28	9 38	0 34	11 33	12	30		
23	5	5 27	9 40	0 36	eve. 7	12	1		
24	6	5 26	9 42	0 38	0 40	12	2	SABBATH IV.	
25	7	5 25	9 44	0 40	1 10	13	3		
26	E	5 25	9 46	0 42	1 41	13	4		
27	2	5 25	9 48	0 44	2 13	13	5		
28	3	5 24	9 50	0 46	2 49	13	6		
29	4	5 24	9 53	0 48	3 31	13	7	600 feet at the top. This way of estimating the weight of hay to feed to cattle may do very well, but for buying or selling it will be better to weigh it.	
30	5	5 23	9 56	0 50	4 26	14	8		
31	6	5 23	9 58	0 54	5 33	14	9		

SUN'S DECLINATION.

D	SOUTH.	D	SOUTH.	D	SOUTH.	D	SOUTH.	D	SOUTH.	D	SOUTH.
D	° /	D	° /	D	° /	D	° /	D	° /	D	° /
1	17 14	6	15 47	11	14 11	16	12 30	21	10 43	26	8 55
2	16 57	7	15 27	12	13 50	17	12 10	22	10 22	27	8 32
3	16 41	8	15 8	13	13 31	18	11 48	23	10 1	28	8 8
4	16 22	9	14 50	14	13 10	19	11 27	24	9 38		
5	16 3	10	14 29	15	12 50	20	11 6	25	9 15		

Moon Changes, Fulls and Quarters.

- Full Moon, 6th day, 8h. 56m., in the evening.—S. E.
 ◐ Last Quarter, 13th day, 2h. 8m., in the evening.—N. W.
 ● New Moon, 20th day, 11h. 18m., in the evening.—N.

D. M.	D. W.	Observable Days, Aspects, Weather, &c.	☉ R.	☽ S.	●'s	● SO.	R. ● S
D.	D.		h m.	h. m.	place	h. m.	h. m.
1 Sa.	♀	gr'test Hel. Lat. S.	7 14	5 14	arms	7 47	2 47
2 S.	☾	Snow on the heights.	7 13	5 15	arms	8 41	3 52
3 Mo.	☾	Horace Greeley b. 1811	7 12	5 17	br'st	9 36	4 49
4 Tu.	☾	in Aphelion. H.w'ds	7 11	5 18	br'st	10 32	5 35
5 W.	☾	Ole Bull b. 1810. & snw.	7 10	5 19	heart	11 27	6 17
6 Th.	☾	Clouds incr.—stormy.	7 9	5 20	heart	morn	rises
7 Fr.	☾	High tides. Thermom-	7 8	5 22	heart	0 19	6 24
8 Sa.	☾	☾ ☾ ☾. eter rises.	7 7	5 23	belly	1 11	7 37
9 S.	☾	Septuagesima S. Wdy.	7 6	5 25	belly	2 0	8 54
10 Mo.	☾	☾ in Per. 9th. Mild &	7 4	5 26	reins	2 49	10 10
11 Tu.	☾	appearance of rain.	7 2	5 27	reins	3 41	11 29
12 W.	☾	A. Lincoln b. 1809.	7 1	5 28	sec's	4 34	morn
13 Th.	☾	Colder.	7 0	5 30	sec's	5 29	0 45
14 Fr.	☾	Low tides.	6 59	5 31	thi's	6 28	2 2
15 Sa.	☾	Galileo b. 1654. Many	6 58	5 32	thi's	7 27	3 13
16 S.	☾	☾ ☾ ☾. clouds.	6 56	5 33	kne's	8 27	4 17
17 Mo.	☾	High winds and snow.	6 55	5 35	kne's	9 23	4 58
18 Tu.	☾		6 53	5 36	legs	10 15	5 57
19 W.	☾	Copernicus b. 1473.	6 52	5 37	legs	11 4	6 6
20 Th.	☾	☾ ☾ ☾. ☾ ☾ ☾. Sud'n	6 50	5 38	legs	11 50	sets
21 Fr.	☾	High tides. changes &	6 49	5 39	feet	ev. 34	6 28
22 Sa.	☾	☾ ☾ ☾. many clouds.	6 47	5 41	feet	1 14	7 30
23 S.	☾	Shrove Sund. ☾ ☾ ☾.	6 46	5 42	head	1 55	8 1
24 Mo.	☾	Snow.	6 44	5 43	head	2 35	9 32
25 Tu.	☾	☾ in Apogee. Hi. w'ds	6 43	5 45	head	3 17	10 34
26 W.	☾	Ash Wed. and snow	6 41	5 46	neck	4 1	11 35
27 Th.	☾	showers. Rude, un-	6 39	5 47	neck	4 48	morn
28 Fr.	☾	settled and stormy.	6 38	5 48	arms	5 37	0 36



A general description.—This month, the wind disturbers will be constantly on hand: great degrees of cold and great snow-drifts will be the order of the day. The shipping on our coast, and on the open seas, will see some sorry time during this month.

M. D.	W. D.	Day break. h. m.	Days' length. h. m.	D's inc. h. m.	High Water	☺ s c m.	● A. d.	
1		7 5	21 10	0 0	56 6 58	14 10		<i>The Farmer's Register, Domestic Economy, &c.</i>
2	E	5 20	10 20	58 2	9 17	14 12		Having made an estimate
3		2 5	19 10	51 2	10 7	14 13		SABBATH V.
4		3 5	18 10	71 4	10 52	14 14		of his hay a farmer can tell
5		4 5	17 10	91 6	11 30	14 15		pretty near how much stock
6		5 5	16 10	111 8	14 16	14 16		it will keep, by allowing that
7		6 5	15 10	141 12	morn 14 16	14 16		it will take from 2 1-2 to 3 per
8		7 5	14 10	161 14	0 7	15 17		cent. of the live weight per
9	E	5 14	10 19	1 16	0 43	15 18		day. That is, a cow weigh-
10		2 5	13 10	221 18	1 17	15 19		ing 1000 lbs. will require from
11		3 5	12 10	251 20	1 59	15 20		SABBATH VI.
12		4 5	10 10	271 24	2 44	15 21		25 to 30 lbs. per day, to keep
13		5 5	9 10	301 26	3 39	15 22		her in good condition while
14		6 5	8 10	321 28	4 55	15 23		giving milk. Young grow-
15		7 5	7 10	341 32	6 26	15 24		ing animals require more
16	E	5 6	10 37	1 34	7 57	14 25		food in proportion to their
17		2 5	4 10	401 38	9 3	14 26		weight than adult animals.
18		3 5	2 10	431 40	9 53	14 27		If grain, or meal, is substi-
19		4 5	1 10	451 44	10 34	14 28		SABBATH VII.
20		5 5	0 10	481 46	11 9	14 28		tuted for hay, 57 lbs. of In-
21		6 4	58 10	501 50	11 41	14 28		dian corn, or 59 lbs. of oats,
22		7 4	57 10	541 52	eve 10 14	2 1		or 54 lbs. of rye, or 64 lbs.
23	E	4 56	10 56	1 54	0 40	14 3		of buckwheat, may take the
24		2 4	55 10	591 58	1 8	14 4		place of 100 lbs. of hay.
25		3 4	54 11	22 0	1 40	13 5		Roots may also take the
26		4 4	52 11	52 2	2 15	13 6		place of hay, but it will re-
27		5 4	51 11	82 6	2 57	13 7		SABBATH VIII.
28		6 4	49 11	102 8	3 48	13 8		quire 300 lbs. of carrots, or
								339 lbs. of mangel wurzels.
								or about 500 lbs. of turnips
								to take the place of 100 lbs.
								of hay. Rutabaga turnips
								are about equal to mang. w.

SUN'S DECLINATION.

SOUTH.		SOUTH.		SOUTH.		SOUTH.		NORTH.		NORTH.	
D	° /	D	° /	D	° /	D	° /	D	° /	D	° /
1	7 46	6	5 50	11	3 54	16	1 55	21	S. 0 2	26	2 0
2	7 24	7	5 28	12	3 31	17	1 32	22	N. 0 26	27	2 24
3	7 1	8	5 5	13	3 7	18	1 9	23	0 48	28	2 46
4	6 38	9	4 41	14	2 45	19	0 45	24	1 13	29	3 11
5	6 14	10	4 18	15	2 19	20	0 22	25	1 37	30	3 33

Moon Changes, Fulls and Quarters.

▷ First Quarter, 1st day, 3h. 13m., in the morning.—N. W.

○ Full Moon, 8th day, 8h. 24m., in the morning.—N. W.

◁ Last Quarter, 14th day, 10h. 56m., in the evening.—E.

● New Moon, 22d day, 4h. 19m., in the evening.—S. W.

▷ First Quarter, 30th day, 8h. 20m., in the evening.—S. W.

M.	D.	W.	Observable Days, Aspects, Weather, &c.	☉ R.	☾ S.	●'s	● SO.	R. ● S.
D.	D.			h. m.	h. m.	place	h. m.	h. m.
1	Sa.		Low tides.	6 36	5 50	arms	6 29	1 35
2	S.		1st Sunday in Lent.	6 35	5 51	arms	7 23	2 35
3	Mo.		♀ ♂ ♀. <i>Snow or rain.</i>	6 33	5 52	br'st	8 17	3 25
4	Tu.		♄ runs hi. ♂ Sup. ♂ ☉	6 32	5 53	br'st	9 11	4 8
5	W.			6 30	5 54	heart	10 4	4 48
6	Th.		Alamo Fight, 1836.	6 28	5 56	heart	10 56	5 18
7	Fr.		No planetary reading.	6 27	5 57	belly	11 47	5 46
8	Sa.			6 25	5 58	belly	morn	rises.
9	S.		High tides. <i>Rain or</i>	6 23	5 59	reins	0 38	7 49
10	Mo.		<i>snow.</i>	6 21	6 0	reins	1 31	9 10
11	Tu.		An'l town m'ting, N.H.	6 19	6 1	sec's	2 25	10 30
12	W.		1st Pa. Assembly 1683.	6 18	6 3	sec's	3 22	11 48
13	Th.		Rude and unsettled.	6 16	6 4	thi's	4 21	morn
14	Fr.		Low tides. <i>Dry air.</i>	6 15	6 5	thi's	5 21	1 3
15	Sa.		♄ runs low. ♂ ♂ ♀.	6 13	6 6	kn'es	6 21	2 9
16	S.		Rain.	6 11	6 7	kn'es	7 19	2 55
17	Mo.		♂ ♂ ♄. <i>Fair & mild.</i>	6 9	6 9	kne's	8 12	3 38
18	Tu.			6 8	6 10	legs	9 2	4 10
19	W.		High winds and rain.	6 6	6 11	legs	9 38	4 27
20	Th.		♄ ♂ ♄. ☉ ent. ♀.	6 4	6 12	feet	10 32	4 58
21	Fr.		20th, Spring begins.	6 2	6 13	feet	11 12	5 16
22	Sa.		Fair.	6 1	6 14	head	11 53	sets.
23	S.		High tides. ♀ ♂ ♄.	5 59	6 15	head	ev. 3?	7 23
24	Mo.		♂ ♂ ♄. <i>Fine.</i>	5 57	6 16	head	1 15	8 26
25	Tu.		Lady Day. ♂ ♂ ♄. A	5 55	6 18	neck	1 58	9 26
26	W.		♀ ♂ ☉. <i>cold storm.</i>	5 54	6 19	neck	2 44	10 26
27	Th.			5 52	6 20	arms	3 31	11 25
28	Fr.			5 50	6 21	arms	4 20	morn
29	Sa.		♂ greatest elong. 18°	5 48	6 22	arms	5 14	0 24
30	S.		[47' E.]	5 47	6 23	br'st	6 07	1 15
31	Mo.		Low tides.	5 45	6 24	br'st	6 59	2 3



Planetary reading for this month is greatly changed from last month. Fewer aspects and more pacific in character. When planetary reading is wanting the *moon* comes in next, but less reliable.

M. D.	W. D.	Day break. h. m.	Day's length. h. m.	D's inc. h. m.	High Water	☉ s c m. d.	● A. d.	<i>The Farmer's Register, Domes- tic Economy, &c.</i>
1	7	4 47	11 14	2 12	4 55	13	9	What the people of New
2	E.	4 45	11 16	2 16	6 19	12	10	SABBATH IX.
3	2	4 44	11 19	2 18	7 44	12	11	Hampshire can do in the
4	3	4 42	11 21	2 22	8 50	12	12	month of March now that it
5	4	4 40	11 24	2 24	9 44	12	13	has had its old time honored
6	5	4 39	11 28	2 28	10 27	12	14	"annual town meeting day"
7	6	4 38	11 30	2 30	11 8	11	15	abolished, one can hardly
8	7	4 37	11 33	2 32	11 44	11	16	imagine. The people must
9	E.	4 36	11 36	2 36	morn	11	17	have a town meeting day in
10	2	4 34	11 39	2 38	0 21	11	18	SABBATH X.
11	3	4 33	11 42	2 42	1 0	10	19	March for electing town of-
12	4	4 32	11 45	2 44	1 44	10	20	ficers and talking over town
13	5	4 31	11 48	2 48	2 31	10	21	affairs, in all of the small
14	6	4 29	11 50	2 52	3 30	9	22	towns at least, and perhaps
15	7	4 27	11 53	2 54	4 44	9	23	in the large ones and cities,
16	E.	4 25	11 56	2 58	6 12	9	24	and I am inclined to think
17	2	4 24	12 0	3 0	7 35	8	25	they will get it "by hook or
18	3	4 23	12 2	3 2	8 42	8	26	SABBATH XI.
19	4	4 21	12 5	3 4	9 19	8	27	by crook." How can New
20	5	4 20	12 8	3 8	10 7	7	28	Hampshire's greatest crop
21	6	4 18	12 11	3 12	10 41	7	29	of "Big Bugs" be raised un-
22	7	4 16	12 13	3 14	11 11	7	30	less there is a town meeting
23	E.	4 14	12 16	3 16	11 40	6	1	hot-bed to start the seedlings
24	2	4 12	12 19	3 20	ev. 11	6	2	in? Next to her crop of big
25	3	4 10	12 23	3 22	0 41	6	3	bugs New Hampshire's
26	4	4 9	12 25	3 24	1 14	6	4	SABBATH XII.
27	5	4 7	12 28	3 28	1 51	6	5	greatest crop is her trees,
28	6	4 6	12 31	3 30	2 30	5	6	which I am sorry to have to
29	7	4 4	12 34	3 34	3 23	5	7	say is growing "small by
30	E.	4 2	12 36	3 36	4 24	5	8	degrees and shamefully (not
31	2	4 0	12 39	3 40	5 40	5	9	beautifully) less," it being
								cut down by the axe of the
								wood chopper, as her largest
								SABBATH XIII.
								crop is by the "axe of time."

SUN'S DECLINATION.

NORTH.			NORTH.			NORTH.			NORTH.			NORTH.			NORTH.		
D	°	'	D	°	'	D	°	'	D	°	'	D	°	'	D	°	'
1	4	20	6	6	16	11	8	7	16	9	55	21	11	40	26	13	20
2	4	54	7	6	38	12	8	30	17	10	17	22	12	0	27	13	40
3	5	7	8	7	0	13	8	50	18	10	38	23	12	20	28	13	58
4	5	30	9	7	22	14	9	13	19	10	58	24	12	41	29	14	17
5	5	52	10	7	44	15	9	34	20	11	20	25	13	1	30	14	36

Moon Changes, Fulls and Quarters.

○ Full Moon, 6th day, 5h. 39m., in the evening.—E.

☾ Last Quarter, 13th day, 9h. 24m., in the morning.—S. W.

● New Moon, 21st day, 9h. 10m., in the morning.—S. E.

☽ First Quarter, 29th day, 9h. 31m., in the morning.—N. E.

D. M.	D. W.	Observable Days. Aspects. Weather, &c.	☾ R. h. m.	☾ S. h. m.	●'s place	● SO. h. m.	R. ● s. h. m.
1 Tu.		All Fool's Day. <i>R'ny.</i>	5 43	6 25	heart	7 50	2 22
2 W.		Prof. Morse d. 1872.	5 41	6 26	heart	8 41	3 16
3 Th.		☾ runs high.	5 40	6 27	heart	9 32	3 42
4 Fr.			5 38	6 29	belly	10 23	4 9
5 Sa.		<i>Many clouds and some</i>	5 36	6 30	belly	11 16	4 36
6 S.		Palm Sunday. <i>rain.</i>	5 34	6 31	reins	morn	rises
7 Mo.		☾ in Perigee. <i>Showers</i>	5 33	6 32	reins	0 8	8 3
8 Tu.			5 31	6 33	sec's	1 5	9 25
9 W.		Surrender of Lee, 1865	5 30	6 34	sec's	2 6	10 43
10 Th.		<i>Wind and rain.</i>	5 28	6 36	th'is	3 8	11 57
11 Fr.		Good Friday.	5 26	6 37	th'is	4 12	morn
12 Sa.		Henry Clay b. 1777.	5 24	6 38	kne's	5 12	0 49
13 S.		Easter Sunday. <i>Rain.</i>	5 23	6 39	kn'es	6 9	1 38
14 Mo.		Low tides. <i>Moist air</i>	5 21	6 40	legs	7 0	2 14
15 Tu.		♂ ♂ ☾ and showers.	5 20	6 41	legs	7 47	2 40
16 W.		☾ runs low. ♀ ♂ ☾.	5 18	6 42	feet	8 31	3 2
17 Th.		♀ Inf. ♂ ☉. <i>Southerly</i>	5 16	6 43	feet	9 12	3 22
18 Fr.		<i>winds and wet.</i>	5 15	6 44	feet	9 52	3 40
19 Sa.		♂ ♂ ☾. <i>Cold rains</i>	5 13	6 45	head	10 32	4 6
20 S.		Low S. ♀ ♂ ☾. and	5 12	6 47	head	11 13	4 30
21 Mo.		☾ in Apogee. <i>easterly</i>	5 10	6 48	neck	11 56	sets.
22 Tu.		High tides. <i>winds.</i>	5 8	6 49	neck	ev. 42	8 18
23 W.		<i>Fine spring weather.</i>	5 7	6 50	neck	1 18	9 8
24 Th.		♀ ♂ ☾. <i>Mild & fair.</i>	5 5	6 51	arms	2 17	10 7
25 Fr.		Cap. New Orleans, '62.	5 4	6 52	arms	3 8	11 12
26 Sa.			5 2	6 53	br'st	4 1	11 57
27 S.		<i>A cold storm.</i>	5 1	6 54	br'st	4 53	morn
28 Mo.		Monroe b. 1758.	5 0	6 56	br'st	5 43	0 37
29 Tu.		<i>Chilly air.</i>	4 59	6 57	heart	6 33	1 14
30 W.		Low tides.	4 57	6 58	heart	7 21	1 42

SUN'S DECLINATION.

NORTH.		NORTH.		NORTH.		NORTH.		NORTH.		NORTH.	
D	° ' "	D	° ' "	D	° ' "	D	° ' "	D	° ' "	D	° ' "
1	14 55	6	16 24	11	17 45	16	18 59	21	20 6	26	21 2
2	15 13	7	16 40	12	18 0	17	19 13	22	20 17	27	21 13
3	15 31	8	16 57	13	18 15	18	19 27	23	20 30	28	21 23
4	15 48	9	17 13	14	18 30	19	19 29	24	20 41	29	21 31
5	16 6	10	17 28	15	18 44	20	20 52	25	20 52	30	21 42

Moon Changes, Fulls, and Quarters.

- Full Moon, 6th day, 1h. 27m., in the morning.—S.
 ☾ Last Quarter, 12th day, 9h. 51m., in the evening.—N. E.
 ● New Moon, 21st day, 1h. 5m., in the morning.—N.
 ☽ First Quarter, 28th day, 6h. 50m., in the evening.—S.

M.	D.	W.	Observable Days, Aspects, Weather, &c.	☉ R.	☉ S.	●'s	● SO.	R. ● S.
D.	D.	D.		h. m.	h. m.	place	h. m.	h. m.
1	Th.		Cold, bleak air.	4 56	6 59	belly	8 10	2 7
2	Fr.		☿ in Perihelion.	4 54	7 0	belly	8 59	2 32
3	Sa.		♂ in Aphelion. Warm.	4 53	7 1	reins	9 50	3 18
4	S.		Bat. Wilderness, 1864.	4 51	7 2	reins	10 46	3 53
5	Mo.		☾ in Perigee. Cool	4 50	7 3	sec's	11 45	4 32
6	Tu.		showers.	4 49	7 4	sec's	morn	rises
7	W.		High tides. Warm.	4 48	7 6	thi's	0 48	9 33
8	Th.		☿ Stat.	4 46	7 7	thi's	1 53	10 42
9	Fr.		♂ ♀ ♄. Cold rains.	4 45	7 8	kn'es	2 57	11 31
10	Sa.		☾ runs low. Windy.	4 44	7 9	kn'es	3 58	morn
11	S.		Fine growing weather.	4 43	7 10	legs	4 52	0 11
12	Mo.			4 42	7 11	legs	5 43	0 41
13	Tu.		Low tides.	4 41	7 12	feet	6 28	1 6
14	W.		♄ ♀ ☾. ♂ ♀ ☾. Sud'n	4 40	7 13	feet	7 11	1 26
15	Th.		showers.	4 39	7 14	feet	7 52	1 46
16	Fr.		Windy and cloudy.	4 38	7 15	head	8 32	2 7
17	Sa.		☾ in Apogee. ♀ ♀ ☾.	4 37	7 16	head	9 12	2 27
18	S.		Rogation S. Cool & wet.	4 36	7 17	neck	9 54	2 50
19	Mo.		♂ ♀ ☾.	4 35	7 18	neck	10 39	3 17
20	Tu.			4 34	7 19	neck	11 25	3 45
21	W.		High tides. ☿ ☐ ☉.	4 33	7 20	arms	ev. 14	sets
22	Th.		Holy Thursday. Frosty	4 32	7 21	arms	1 6	9 9
23	Fr.		Fine growing weather.	4 31	7 22	br'st	1 58	9 55
24	Sa.		☿ greatest Hel. Lat. N.	4 30	7 23	br'st	2 50	10 38
25	S.		☾ runs high. Cool rain.	4 30	7 24	br'st	3 40	11 15
26	Mo.		Windy and rainy.	4 29	7 25	heart	4 29	11 43
27	Tu.		Cloudy and wet.	4 29	7 26	heart	5 17	morn
28	W.			4 28	7 27	belly	6 4	0 8
29	Th.		Low tides.	4 27	7 27	belly	6 50	0 33
30	Fr.			4 27	7 28	reins	7 40	0 55
31	Sa.		Bat. Pines, '62. Showers	4 26	7 29	reins	8 32	1 22

SUN'S DECLINATION.

NORTH.		NORTH.		NORTH.		NORTH.		NORTH.		NORTH.	
D	° ' "	D	° ' "	D	° ' "	D	° ' "	D	° ' "	D	° ' "
1	22 0	6	22 38	11	23 4	16	23 20	21	23 28	26	23 24
2	22 9	7	22 43	12	23 8	17	23 23	22	23 23	27	23 22
3	22 15	8	22 48	13	23 11	18	23 25	23	23 28	28	23 20
4	22 24	9	22 54	14	23 15	19	23 26	24	23 27	29	23 17
5	22 30	10	22 59	15	23 19	20	23 27	25	23 26	30	23 15

Moon Changes, Fulls and Quarters.

- Full Moon, 4th day, 8h. 51m., in the evening.—S. E.
 ☾ Last Quarter, 11th day, 0h. 11m., in the evening.—W
 ● New Moon, 19th day, 3h. 34m., in the evening.—S. W.
 ☽ First Quarter, 27th day, 1h. 11m., in the morning.—W.

M.	W.	Observable Days, Aspects, Weather, &c.	☺ R	☺ S	●'s	● SO	R ● S.
D.	D.		h. m.	h. m.	place	h. m.	h. m.
1	S.	Whit Sund. Heat and	4 26	7 30	sec's	9 28	1 51
2	Mo.	☽ ☐ ☉. probably thunder	4 25	7 30	sec's	10 27	2 28
3	Tu.	☾ in Perigee.	4 25	7 31	thi's	11 30	3 5
4	W.	High tides. More showers.	4 24	7 32	thi's	morn	rises.
5	Th.	☾ runs low. Windy.	4 24	7 33	kne's	0 36	9 16
6	Fr.	Windy and warm.	4 24	7 33	kne's	1 39	10 4
7	Sa.		4 23	7 34	kne's	2 39	10 39
8	S.	Trinity Sund. Thunder.	4 23	7 35	legs	3 32	11 7
9	Mo.		4 23	7 35	legs	4 21	11 31
10	Tu.		4 22	7 36	feet	5 7	11 51
11	W.	Low tides. ☽ ☌ ☾.	4 22	7 36	feet	5 49	morn.
12	Th.	Corpus Christi. ☽ ☌ ☾. A	4 22	7 37	head	6 29	0 11
13	Fr.	☽ ☌ ☾. fine growing time	4 22	7 37	head	7 10	0 30
14	Sa.	Windy.	4 22	7 38	head	7 52	0 53
15	S.	1st Sunday after Trinity.	4 22	7 38	neck	8 35	1 18
16	Mo.	☾ in Apogee 15th.	4 22	7 38	neck	9 21	1 46
17	Tu.	Cool showers.	4 22	7 39	arms	10 9	2 21
18	W.	☽ Sup. ☌ ☉. Warm.	4 22	7 39	arms	10 59	3 1
19	Th.	High tides. ☽ ☌ ☾.	4 23	7 39	arms	11 53	sets.
20	Fr.	☾ runs high. Windy.	4 23	7 40	br'st	ev. 45	8 37
21	Sa.	☉ ent. ☼. Summer begins	4 23	7 40	br'st	1 37	9 16
22	S.	2d S. aft. Trin. Windy.	4 23	7 40	heart	2 28	9 48
23	Mo.	☽ ☽ ☾. Cool.	4 23	7 40	heart	3 15	10 14
24	Tu.	St. John Bapt.	4 24	7 40	belly	4 3	10 34
25	W.	Warm.	4 24	7 40	belly	4 49	11 3
26	Th.	Windy and cool.	4 24	7 40	belly	5 36	11 25
27	Fr.	Cool.	4 25	7 40	reins	6 25	11 51
28	Sa.	Low tides. Showers.	4 25	7 40	reins	7 17	morn.
29	S.	3d S. aft. Trin.	4 25	7 40	sec's	8 13	0 20
30	Mo.	☽ ☌ ☽. Warm.	4 26	7 40	sec's	9 13	0 58



This month, the earth in rolling among the planets, exhibits a confusion of aspects. The month will be subject to very sudden changes, cool, warm, wet, windy and much thunder. From the 19th to the 25th, frost in low locations. In short, it will be a singular June.

M.	W.	Day	Days'	D's	High	☉	☾	The Farmer's Register, Domestic Economy, &c.	
P.	D.	break	length.	inc.	water	f.c.	A.		
		h. m.	h. m.	h. m.		m.	d.		
1	E	2 15	15	4 6	8	9	8	3	11
2		2 14	15	5 6	10	10	3	3	12
3		3 13	15	6 6	10	10	54	3	13
4		4 12	15	8 6	12	11	43	2	14
5		5 11	15	9 6	12	morn		2	15
6		6 10	15	9 6	14	0	27	2	16
7		7 9	15	11 6	14	1	11	2	17
8	E	2 8	15	12 6	14	1	52	2	18
9		2 7	15	12 6	16	2	31	2	19
10		3 6	15	14 6	16	3	15	1	20
11		4 6	15	14 6	16	3	59	1	21
12		5 5	15	15 6	18	4	56	1	22
13		6 5	15	15 6	18	5	58	1	23
14		7 4	15	16 6	18	7	6	0	24
15	E	2 4	15	16 6	18	8	5	0	25
16		2 3	15	16 6	18	9	1	0	26
17		3 3	15	17 6	20	9	48	S.	27
18		4 2	2 15	17 9	20	10	10	1	28
19		5 2	2 15	17 6	20	11	11	1	29
20		6 2	2 15	17 6	20	11	49	1	30
21		7 2	2 15	17 6	20	ev.	26	1	31
22	E	2 2	2 15	17 6	20	1	3	1	32
23		2 2	2 15	17 6	20	1	39	2	33
24		3 2	2 15	16 6	20	2	16	2	34
25		4 2	2 15	16 6	20	2	58	2	35
26		5 2	2 15	16 6	20	3	47	2	36
27		6 2	3 15	15	dec.	4	50	3	37
28		7 2	3 15	15	0	2	10	3	38
29	E	2 4	2 15	15	0	2	36	3	39
30		2 4	2 15	14	0	2	53	3	40

SABBATH XXII.

To transplant the tree properly, dig the hole large enough and deep enough to receive all of the roots without crooking and bending them to get them in, and have the tree about the

SABBATH XXIII.

same depth in the ground as it was before it was taken up. But if the subsoil is a hard pan so water will not drain away readily do not dig into the hard pan to make a dish to hold water

SABBATH XXIV.

on any account, better set the tree higher out of the ground and fill up so as to make a mound about the tree or for the tree to stand on if necessary. After the tree is set put a mulching of

SABBATH XXV.

straw, bog hay, chip dirt, old tan, or any thing that will keep the roots of the tree cool and moist and grass and weeds from growing. Do not let a weed or plant grow within twice the space

SABBATH XXVI.

covered by the limbs.

SUN'S DECLINATION.

NORTH.		NORTH.		NORTH.		NORTH.		NORTH.		NORTH.	
D	° ' "	D	° ' "	D	° ' "	D	° ' "	D	° ' "	D	° ' "
1	23 11	6	22 47	11	22 13	16	21 29	21	20 37	26	19 35
2	23 6	7	22 40	12	22 4	17	21 19	22	20 25	27	19 22
3	23 2	8	22 34	13	21 55	18	21 9	23	20 13	28	19 10
4	22 55	9	22 27	14	21 48	19	21 0	24	20 1	29	18 54
5	22 53	10	22 20	15	21 40	20	20 43	25	19 47	30	18 40

Moon Changes, Fulls and Quarters.

- Full Moon, 3d day, 4h. 53m., in the evening.—E.
 ☾ Last Quarter, 11th day, 4h. 9m., in the morning.—S. E.
 ● New Moon, 19th day, 4h. 21m., in the morning.—N. E.
 ☽ First Quarter, 26th day, 5h. 51m., in the morning.—N.

M.	D.	W.	D.	Observable Days, Aspects, Weather, &c.	☼ R. h. m.	☼ S. h. m.	●'s place	● SO. h. m.	R. ● S. h. m.
1	Tu.	2	Stat.	Showers.	4 26	7 40	th's	10 17	1 41
2	W.	3	☉ in Apogee.	Warm.	4 27	7 40	th's	11 20	2 35
3	Th.	4	☾ runs lo.	Fair & w'm	4 27	7 40	kn'es	morn.	rises.
4	Fr.	5	High tides.	Thunder.	4 28	7 40	kn'es	0 21	8 30
5	Sa.	6	Cool and windy.		4 29	7 40	legs	1 19	9 5
6	S.	7	4th S. aft. Trin.		4 29	7 40	legs	2 11	9 32
7	Mo.	8	☿ ☐ ☉. Sud'n showers		4 30	7 39	feet	2 58	9 54
8	Tu.	9	☿ ☐ ☉. Windy & cool.		4 30	7 39	feet	3 43	10 13
9	W.	10	♂ in Perihelion.		4 31	7 38	feet	4 24	10 34
10	Th.	11	Cool.		4 32	7 38	head	5 6	10 56
11	Fr.	12	L. tid. ☿ ☐ ☉. ♂ ☐ ☉		4 33	7 38	head	5 47	11 19
12	Sa.	13	☉ in Apogee.	Hail in	4 33	7 37	neck	6 30	11 46
13	S.	14	5th S. aft. Trin.	places	4 34	7 37	neck	7 16	morn.
14	Mo.	15	Cool.		4 35	7 36	neck	8 3	0 20
15	Tu.	16	Windy.		4 36	7 35	arms	8 52	0 57
16	W.	17	♀ gr. elong. 45° 33' E.		4 36	7 35	arms	9 45	1 42
17	Th.	18	☉ runs high.	Cool	4 37	7 34	br'st	10 38	2 40
18	Fr.	19	and moist.		4 38	7 34	br'st	11 30	3 39
19	Sa.	20	High tides. ☉ ec. inv.		4 39	7 33	heart	ev. 22	sets.
20	S.	21	6th S. aft. Tr.	Showers	4 40	7 32	heart	1 11	8 15
21	Mo.	22	♀ ☐ ☉. Misty.		4 41	7 31	heart	2 0	8 43
22	Tu.	23	♂ ☐ ☉. ♀ ☐ ☉.		4 42	7 30	belly	2 47	9 7
23	W.	24	No planetary reading,		4 43	7 29	belly	3 34	9 30
24	Th.	25	but the moon influen-		4 44	7 29	reins	4 22	9 54
25	Fr.	26	ces thunder showers.		4 45	7 28	reins	5 14	10 23
26	Sa.	27	Low tides.	Cool.	4 46	7 27	sec's	6 7	10 56
27	S.	28	7th S. aft. Tr.	Close air	4 47	7 26	sec's	7 4	11 37
28	Mo.	29	Windy.		4 48	7 25	thi's	8 5	morn.
29	Tu.	30	♂ Stationary.		4 49	7 24	thi's	9 7	0 25
30	W.	31	Windy.		4 50	7 23	kne's	10 8	1 23
31	Th.				4 51	7 21	kne's	11 6	2 28



Planetary configurations, this month, are scattered all over the face of the sky, and are such as to produce sudden rains. If I am not mistaken, hay-makers will find it perplexing business: much poor hay will go into farmers' barns this month.

M.	W.	Day	Days'	D's	High	☉	●	The Farmer's Register, Domestic Economy, &c.	
D.	D.	break. h. m.	length. h. m.	decr. h. m.	Water	s c m.	A. d.		
1	3	2 4	15 14	0 2	9 55	3	12	A large majority of farmers care more about the growing of grass than they do about the growing of trees and it is well that they should at this season of the year,	
2	4	2 5	15 13	0 2	10 46	3	13		
3	5	2 6	15 13	0 4	11 31	4	14		
4	6	2 7	15 12	0 4	morn	4	15		
5	7	2 8	15 11	0 4	0 14	4	16		
6	E.	2 9	15 11	0 6	0 50	4	17	SABBATH XXVII.	
7	2	2 10	15 9	0 6	1 24	4	18	for it is a business that is brought right to their minds now and must be attended to immediately. Or, rather, the saving of the crop must be attended to immediately. Much of the value of hay	
8	3	2 11	15 9	0 8	2 0	4	19		
9	4	2 12	15 7	0 8	2 34	5	20		
10	5	2 13	15 6	0 10	3 14	5	21		
11	6	2 14	15 5	0 12	3 59	5	22		
12	7	2 15	15 4	0 12	4 58	5	23	SABBATH XXVIII.	
13	E.	2 16	15 3	0 14	6 8	5	24	depends upon the time of cutting the grass, more than farmers generally suppose. Hay well made from grass cut while in full blossom is worth at least a quarter more than it would be if cut after	
14	2	2 17	15 1	0 16	7 22	6	25		
15	3	2 18	14 59	0 16	8 29	6	26		
16	4	2 20	14 59	0 18	9 26	6	27		
17	5	2 21	14 57	0 20	10 12	6	28		
18	6	2 22	14 56	0 20	10 54	6	29	SABBATH XXIX.	
19	7	2 23	14 54	0 22	11 32	6	●		
20	E.	2 24	14 52	0 24	ev. 7	6	1	the seed had got fully ripe. One objection to cutting grass early is that it takes more time and trouble to dry it. Of course it does; but if good hay is wanted time and trouble must be taken to	
21	2	2 26	14 50	0 28	0 43	6	2		
22	3	2 28	14 48	0 30	1 16	6	3		
23	4	2 29	14 46	0 32	1 54	6	4		
24	5	2 31	14 45	0 32	2 33	6	5		
25	6	2 33	14 43	0 34	3 23	6	6	SABBATH XXX.	
26	7	2 35	14 41	0 36	4 24	6	7		
27	E.	2 36	14 39	0 38	5 48	6	8	make it. If the grass is allowed to stand till it is dead ripe it will not take so much trouble to dry but will trouble animals to eat and digest.	
28	2	2 38	14 37	0 40	7 25	6	9		
29	3	2 39	14 35	0 42	8 47	6	10		
30	4	2 41	14 33	0 44	9 47	6	11		
31	5	2 42	14 30	0 46	10 36	6	12		

SUN'S DECLINATION.

NORTH.		NORTH.		NORTH.		NORTH.		NORTH.		NORTH.	
D	° ' "	D	° ' "	D	° ' "	D	° ' "	D	° ' "	D	° ' "
1	18 10	6	16 55	11	15 30	16	13 58	21	12 20	26	10 39
2	17 56	7	16 38	12	15 10	17	13 38	22	12 0	27	10 17
3	17 40	8	16 22	13	14 51	18	13 19	23	11 40	28	9 57
4	17 26	9	16 4	14	14 35	19	12 59	24	11 20	29	9 36
5	17 10	10	15 47	15	14 15	20	12 40	25	10 59	30	9 14

Moon Changes, Fulls and Quarters.

- Full Moon, 2d day, 2h. 27m., in the morning.—S. W.
 ☾ Last Quarter, 9th day, 9h. 24m., in the evening.—N. E.
 ● New Moon, 17th day, 3h. 25m., in the evening.—S. W.
 ☽ First Quarter, 24th day, 10h. 27m., in the morning.—N. E.
 ○ Full Moon, 31st day, 2h. 13m., in the evening.—N. E.

M.	W.	Observable Days, Aspects, Weather, &c.	☼ R.	☼ S.	☼ S.	☼ SO.	R.	☼ S.
D	D		h. m.	h. m.	place	h. m.	h. m.	
1	Fr.		4 52	7 20	legs	11 58	3 34	
2	Sa.	Low tides. <i>Moon influ-</i>	4 53	7 19	legs	morn	rises	
3	S.	8th S. aft. Trin. <i>ences</i>	4 54	7 17	legs	0 48	7 55	
4	Mo.	☿ ☽ ☾. <i>heat.</i>	4 55	7 16	feet	1 35	8 11	
5	Tu.	Cable landed, 1858.	4 56	7 15	feet	2 19	8 37	
6	W.		4 57	7 14	head	3 1	8 59	
7	Th.	☿ ☽ ☾.	4 58	7 12	head	3 42	9 22	
8	Fr.	☾ in Apogee 9th.	4 59	7 11	neck	4 25	9 49	
9	Sa.	Hi. tid. ☿ ☽ ☾. <i>Shower</i>	5 0	7 10	neck	5 10	10 18	
10	S.	9th S. aft. Trin. <i>Heat.</i>	5 1	7	neck	5 55	10 53	
11	Mo.	<i>Heat.</i>	5 2	7	arms	6 44	11 35	
12	Tu.	Bat. Oak Hill 10th,'61.	5 3	7	arms	7 35	morn	
13	W.	<i>Cool.</i>	5 4	7	br'st	8 27	0 22	
14	Th.	☾ runs high. <i>Showers.</i>	5 5	7	br'st	9 20	1 25	
15	Fr.	<i>Warm and</i>	5 6	7	br'st	10 12	2 27	
16	Sa.	<i>dry.</i>	5 7	7	heart	11 4	3 37	
17	S.	10th S. aft. Trin.	5 8	6 58	heart	11 53	sets.	
18	Mo.	High tides. ☿ ☽ ☾.	5 9	6 57	belly	ev. 41	7 10	
19	Tu.	☿ at gt. bril. <i>Showers.</i>	5 11	6 55	belly	1 31	7 34	
20	W.	☿ ☽ ☾. <i>Windy.</i>	5 12	6 54	reins	2 19	7 58	
21	Th.	<i>More thunder showers.</i>	5 13	6 52	reins	3 9	8 25	
22	Fr.	☾ in Perigee.	5 14	6 51	sec's	4 3	8 58	
23	Sa.	☿ Inf. ☽ ☾. <i>Hail in</i>	5 14	6 49	sec's	4 59	9 33	
24	S.	11th S. aft. Tr. <i>places.</i>	5 14	6 48	thi's	5 59	10 23	
25	Mo.	Low tides. <i>Heat.</i>	5 15	6 46	thi's	6 59	11 15	
26	Tu.		5 16	6 44	kne's	8 0	morn	
27	W.	☾ runs low. <i>Showers.</i>	5 17	6 43	kne's	8 58	0 22	
28	Th.	☿ ☽ ☾.	5 18	6 41	kn'es	9 51	1 32	
29	Fr.	Bat. Rhode Island,'78.	5 19	6 40	legs	10 42	2 43	
30	Sa.	<i>Heat.</i>	5 20	6 38	legs	11 28	3 58	
31	S.	12th S. aft. Tr. ☿ ☽ ☾	5 21	6 36	feet	morn	rises	

SUN'S DECLINATION.

NORTH.			NORTH.			NORTH.			NORTH.			NORTH.			SOUTH.		
D	°	'	D	°	'	D	°	'	D	°	'	D	°	'	D	°	'
1	8	30	6	6	41	11	4	47	16	2	53	21	0	55	26	1	2
2	8	8	7	6	18	12	4	24	17	2	30	22	0	32	27	1	24
3	7	45	8	5	56	13	4	2	18	2	6	23	0	10	28	1	47
4	7	24	9	5	33	14	3	36	19	1	43	24	South.		29	2	12
5	7	3	10	5	10	15	3	16	20	1	20	25	0	36	30	2	36

Moon Changes, Fulls and Quarters.

☾ Last Quarter, 8th day, 3h. 19m., in the evening.—N. W.

● New Moon, 16th day, 1h. 12m., in the morning.—N.

☽ First Quarter, 22d day, 4h. 34m., in the evening.—S. E.

○ Full Moon, 30th day, 4h. 32m., in the morning.—W.

M.	W.	Observable Days, Aspects.	☉ R.	☉ S.	●'s	● SO.	R. ● S.
D.	D.	Weather, &c.	h. m.	h. m.	place	h. m.	h. m.
1	Mo.	☿ Stat. Showers.	5 24	6 34	feet	0 13	6 41
2	Tu.		5 25	6 33	head	0 55	7 3
3	W.	♂ ♀ ☾. Planets are	5 26	6 31	head	1 38	7 25
4	Th.	silent.	5 27	6 29	head	2 20	7 49
5	Fr.	Many clouds.	5 28	6 28	neck	3 4	8 16
6	Sa.	☾ in Apogee. ♂ ♀ ☾.	5 29	6 26	neck	3 49	8 50
7	S.	13th S. aft. Tr. Warm.	5 30	6 24	arms	4 36	9 29
8	Mo.	Low tides.	5 32	6 23	arms	5 25	10 15
9	Tu.	☿ gt. elong. 17° 57' W.	5 33	6 21	arms	6 16	11 13
10	W.		5 34	6 19	br'st	7 9	morn
11	Th.	☾ runs high. Windy.	5 35	6 17	br'st	8 1	0 14
12	Fr.	☿ in Perihelion.	5 36	6 16	heart	8 52	1 14
13	Sa.		5 37	6 14	heart	9 42	2 24
14	S.	14th S. aft. Trin.	5 38	6 12	belly	10 31	3 34
15	Mo.	☿ ♂ ☾. Windy & rain.	5 39	6 10	belly	11 20	4 48
16	Tu.	High tides. ♀ ♂ ☾.	5 40	6 9	reins	ev. 9	sets.
17	W.	Windy.	5 41	6 7	reins	1 0	6 25
18	Th.	☾ in Perigee.	5 42	6 5	reins	1 55	6 58
19	Fr.	Bat. Bemis Heights.	5 43	6 3	se'cs	2 52	7 37
20	Sa.	Showers and it may	5 44	6 2	sec's	3 52	8 19
21	S.	15th S. aft. Tr. thunder	5 45	6 0	th'is	4 53	9 13
22	Mo.	Much fair weather from	5 47	5 58	th'is	5 55	10 17
23	Tu.	Low tides. ♀ Inf. ♂ ☾.	5 48	5 56	kn'es	6 53	11 25
24	W.	☾ runs low. the 22d to	5 49	5 54	kn'es	7 47	morn
25	Th.	the close of the month.	5 50	5 52	legs	8 38	0 35
26	Fr.	Bat. Mesilla, 1861.	5 51	5 51	legs	9 25	1 48
27	Sa.	♂ ☾.	5 52	5 49	feet	10 10	2 56
28	S.	16th S. aft. Tr. Windy.	5 53	5 47	feet	10 52	4 4
29	Mo.		5 54	5 45	feet	11 35	5 8
30	Tu.	High tides. ♀ ♂ ☾.	5 55	5 44	head	morn	rises.



This month, like August, is nearly a blank. What little meteorological we can find points out much high wind during the month. A boisterous ocean will be the result.

M.	W.	Day	Day's	D's	High	☉	●	Farmer's Register, Domes- tic Economy, &c.
D.	D.	break. h m.	length. h. m.	dec. h. m.	water	f.c. m.	A. d.	
1	2	3 38	13 10	2 6	11 55	0	15	To make farming in New
2	3	3 40	13 8	2 10	morn	1	16	Hampshire <i>pay better</i> raise
3	4	3 42	13 5	2 12	0 25	1	17	more winter rye. It will
4	5	3 44	13 2	2 16	0 57	1	18	grow <i>when</i> nothing else
5	6	3 46	13 0	2 18	1 30	1	19	will and almost <i>where</i> noth-
6	7	3 48	12 57	2 20	2 5	2	20	ing else will. It will pay
7	E. 3	50	12 54	2 24	2 48	2	21	moderately even if shame-
8	2	3 51	12 51	2 26	3 34	2	22	SABBATH XXXVI.
9	3	3 53	12 48	2 28	4 37	3	23	fully neglected and bount-
10	4	3 55	12 45	2 32	5 55	3	24	ifully if moderately pro-
11	5	3 57	12 42	2 34	7 20	3	25	vided for by manure and
12	6	3 59	12 40	2 36	8 29	4	26	good cultivation. If it is
13	7	4 0	12 37	2 40	9 23	4	27	to be grown upon old land
14	8	4 1	12 34	2 44	10 6	4	28	let it be got in as early in
15	2	4 3	12 31	2 46	10 46	5	29	this month as possible, then
16	3	4 5	12 29	2 50	11 23	5	●	SABBATH XXXVII.
17	4	4 7	12 26	2 52	ev. 1	5	1	it will get a good growth
18	5	4 9	12 23	2 54	0 40	6	2	this fall and will start early
19	6	4 11	12 20	2 56	1 20	6	3	in the spring. If the land
20	7	4 13	12 18	3 2	2 7	6	4	is so dry and poor it does
21	E. 4	15	12 15	3 4	3 2	7	5	not promise a crop in the
22	2	4 17	12 11	3 8	4 8	7	6	spring, plow it in by the
23	3	4 19	12 8	3 10	5 30	7	7	middle of June and sow
24	4	4 21	12 5	3 12	6 57	8	8	SABBATH XXXVIII.
25	5	4 22	12 3	3 16	8 10	8	9	buckwheat. In August
26	6	4 23	12 0	3 18	9 5	8	10	plow in the buckwheat and
27	7	4 24	11 57	3 22	9 49	9	11	then sow winter rye again.
28	E. 4	25	11 54	3 24	10 24	9	12	In this way the poorest
29	2	4 26	11 51	3 26	10 57	10	13	land can be made to pro-
30	3	4 27	11 49	3 30	11 28	10	14	duce paying crops. Winter
								rye sown on rich land
								SABBATH XXXIX.
								makes one of the best soil-
								ing crops for feeding cows.

SUN'S DECLINATION.

SOUTH.			SOUTH.			SOUTH.			SOUTH.			SOUTH.			SOUTH.		
D	°	'	D	°	'	D	°	'	D	°	'	D	°	'	D	°	'
1	2	58	6	4	54	11	6	50	16	8	41	21	10	30	26	12	17
2	3	22	7	5	18	12	7	12	17	9	4	22	10	53	27	12	38
3	3	44	8	5	40	13	7	34	18	9	27	23	11	15	28	12	57
4	4	8	9	6	5	14	7	58	19	9	48	24	11	35	29	13	18
5	4	33	10	6	28	15	8	21	20	10	9	25	11	56	30	13	38

Moon Changes, Fulls and Quarters.

☾ Last Quarter, 8th day, 8h. 53m., in the morning.—S. W.

● New Moon, 15th day, 10h. 24m., in the morning.—S. E.

☽ First Quarter, 22d day, 1h. 33m., in the morning.—W.

○ Full Moon, 29th day, 9h. 24m., in the evening.—S. E.

M.	D.	W.	Observable Days, Aspects, Weather, &c.	☾ R. h.m.	☽ S. h.m.	●'s place	● SO. h. m.	R. ● S h. m.
1	W.		♂ ♀ ☾. Rainy.	5 56	5 42	head	0 16	5 53
2	Th.		Still many clouds.	5 57	5 40	neck	1 0	6 19
3	Fr.		Capt. Jack hung, 1873.	5 58	5 38	neck	1 44	6 51
4	Sa.		☾ in Apogee. Cold.	6 05	5 37	arms	2 31	7 26
5	S.		17th S. aft. Tr. ♀ ☽ ☉.	6 15	5 35	arms	3 19	8 10
6	Mo.		♂ Stat. [♀ Sup. ♀ ☉.	6 25	5 34	arms	4 10	9 4
7	Tu.		☾ runs high.	6 35	5 32	br'st	5 0	9 59
8	W.		Low tid. Cool & moist.	6 45	5 30	br'st	5 51	11 0
9	Th.		Chicago fire, 1871.	6 55	5 28	heart	6 41	morn
10	Fr.		Variable.	6 65	5 27	heart	7 29	0 5
11	Sa.		High winds.	6 75	5 25	heart	8 18	1 13
12	S.		18th S. aft. Tr. ♀ Stat.	6 95	5 24	belly	9 17	2 25
13	Mo.		♀ ♀ ☾. Misty.	6 105	5 22	belly	9 55	3 35
14	Tu.		♀ ♀ ☾. Dry air.	6 115	5 20	reins	10 46	4 53
15	W.		High tides. Heat in-	6 125	5 18	reins	11 40	sets.
16	Th.		☾ in Perigee. creasing.	6 135	5 17	se'cs	ev. 16	5 29
17	Fr.		Burgoyne sur., 1777.	6 155	5 15	se'cs	1 38	6 12
18	Sa.		Windy and moist.	6 165	5 14	th's	2 42	7 4
19	S.		19th S. aft. Tr. Moist.	6 175	5 12	th's	3 46	8 6
20	Mo.		☾ runs low. Variable.	6 185	5 11	kn'es	4 47	9 17
21	Tu.		Bat. Trafalgar, 1805.	6 205	5 9	kn'es	5 44	10 26
22	W.		Windy.	6 215	5 8	legs	6 36	11 40
23	Th.		Low tides.	6 225	5 6	legs	7 23	morn
24	Fr.		♂ ♀ ☾. Stormy.	6 235	5 5	feet	8 8	0 48
25	Sa.		Windy and moist air.	6 245	5 3	feet	8 50	1 57
26	S.		20th S. aft. Trin.	6 255	5 2	feet	9 32	3 0
27	Mo.			6 265	5 0	head	10 14	4 3
28	Tu.		♂ ♀ ☾. Fair.	6 284	59	head	10 51	5 5
29	W.			6 294	58	neck	11 41	rises.
30	Th.		High tides. Dry air.	6 304	57	neck	morn	4 52
31	Fr.		☾ in Apogee.	6 324	55	neck	0 27	5 27



This month, the earth shows us many aspects, and of a confused nature, It will be a cold, rough, windy, uncomfortable, unhealthy month.

F.	W.	Day	Day's	Dy's	High	☉	●	Farmer's Register, Domes- tic Economy, &c.
D.	D.	break. h. m.	length. h. m.	decr. h. m.	Water	f c m.	A. d.	
1	4	4 28	11 46	3 32	morn.	10	15	In this month the out door labor of the farm will be mostly brought to a close and the barn and its occupants will begin to re- SABBATH XL.
2	5	4 30	11 43	3 36	0	11	16	
3	6	4 31	11 40	3 38	0	31	17	
4	7	4 33	11 37	3 42	1	5	18	
5	E. 4	35	11 34	3 44	1	42	19	
6	2	4 37	11 32	3 48	2	23	20	quire attention. The crops having been harvested and the cattle brought home from pasture the farmer should take an account of his stock and crops and thereby learn how he has SABBATH XII.
7	3	4 38	11 28	3 50	3	8	21	
8	4	4 40	11 26	3 52	4	4	22	
9	5	4 41	11 23	3 56	5	14	23	
10	6	4 43	11 21	3 58	6	28	24	
11	7	4 44	11 18	4 0	7	44	25	succeeded. To arrive at this knowledge all his crops should have been weighed or measured as they were gathered. It would not have required much time and would af- SABBATH XLII.
12	E. 4	46	11 15	4 4	8	47	26	
13	2	4 47	11 12	4 6	9	35	27	
14	3	4 49	11 9	4 10	10	18	28	
15	4	4 50	11 6	4 12	11	2	29	
16	5	4 52	11 4	4 16	11	43	30	ford a large amount of sat- isfaction and helped him to commence another year of out door work with a much better understanding of his business. For this pur- pose he should be well SABBATH XLIII.
17	6	4 53	11 0	4 18	ev. 25	14	31	
18	7	4 55	10 58	4 22	1	13	32	
19	E. 4	56	10 55	4 24	2	2	33	
20	2	4 58	10 53	4 28	2	56	34	
21	3	4 59	10 49	4 30	3	56	35	provided with a steelyard or balance weights and measures. No breeder and feeder can be very successful without weigh- ing his cattle very often.
22	4	5 1	10 47	4 34	5	7	36	
23	5	5 2	10 44	4 36	6	22	37	
24	6	5 3	10 42	4 40	7	29	38	
25	7	5 4	10 39	4 42	8	27	39	
26	E. 5	5 10	10 37	4 46	9	12	40	
27	2	5 6	10 34	4 48	9	52	41	
28	3	5 7	10 31	4 50	10	27	42	
29	4	5 8	10 29	4 52	11	3	43	
30	5	5 9	10 27	4 56	11	36	44	
31	6	5 10	10 23	4 58	morn. 16	16	45	

SUN'S DECLINATION.

SOUTH.			SOUTH.			SOUTH.			SOUTH.			SOUTH.			SOUTH.		
D	°	'	D	°	'	D	°	'	D	°	'	D	°	'	D	°	'
1	14	18	6	15	50	11	17	18	16	18	38	21	19	54	26	20	52
2	14	36	7	16	9	12	17	36	17	18	54	22	20	4	27	21	3
3	14	54	8	16	27	13	18	50	18	19	10	23	20	16	28	21	16
4	15	14	9	16	45	14	18	8	19	19	22	24	20	28	29	21	25
5	15	31	10	17	1	15	18	24	20	19	36	25	20	41	30	21	35

Moon Changes, Fulls and Quarters.

☾ Last Quarter, 7th day, 1h. 10m., in the morning.---E.

● New Moon, 13th day, 7h. 53m., in the evening.—N. W.

☽ First Quarter, 20th day, 2h. 10m., in the evening.—S. E.

○ Full Moon, 28th day, 4h. 12m., in the evening.—N. E.

D. M.	D. W.	Observable Days, Aspects, Weather, &c.	☉ R. h. m.	☉ S. h. m.	●'s place	● SO. h. m.	R ● S. h. m.
1	Sa.	High wind & frozen rain.	6 33	4 54	arms	1 15	6 9
2	S.	21st S. aft. Trin.	6 34	4 53	arms	2 5	6 54
3	Mo.	☿ ☽ ☉.	6 35	4 51	br'st	2 56	7 51
4	Tu.	☾ runs high.	6 36	4 50	br'st	3 45	8 51
5	W.	Bat. Inkerman, 1854.	6 38	4 49	br'st	4 35	9 51
6	Th.	Windy, yet not cold.	6 40	4 48	heart	5 23	10 59
7	Fr.	Bat. Tippecanoe, 1811.	6 41	4 47	heart	6 10	morn.
8	Sa.	Low tides. Planets are	6 42	4 45	belly	6 57	0 7
9	S.	22d S. aft. Trin. silent.	6 43	4 44	belly	7 43	1 15
10	Mo.	☿ ☽ ☉.	6 44	4 43	reins	8 31	2 23
11	Tu.	Luther b. 1483. Hail.	6 45	4 42	reins	9 23	3 42
12	W.	☽ ☽ ☉. Many clouds and	6 46	4 41	sec's	10 17	5 1
13	Th.	☉ in Perigee. high winds.	6 48	4 40	sec's	11 17	sets.
14	Fr.	High tides.	6 49	4 39	thi's	ev. 21	4 48
15	Sa.	☿ ☽ ☉.	6 50	4 39	thi's	1 36	5 58
16	S.	23d S. aft. Trin. Change-	6 52	4 38	kne's	2 32	6 58
17	Mo.	☉ runs low. able.	6 53	4 37	kne's	3 33	8 11
18	Tu.	Wolsey d. 1530.	6 54	4 36	legs	4 29	9 26
19	W.	Cold—rain or snow, or	6 55	4 35	legs	5 20	10 40
20	Th.	snow on heights.	6 56	4 34	legs	6 6	11 49
21	Fr.	☿ ☽ ☉. ☿ gt. elong. 21°	6 58	4 34	feet	6 50	morn
22	Sa.	[56' E.	6 59	4 34	feet	7 31	0 55
23	S.	24th S. aft. Trin. ☿ ☽ ☉.	7 0	4 33	head	8 13	1 57
24	Mo	Bat. Lookout Mt., 1863.	7 1	4 32	head	8 55	2 59
25	Tu.		7 3	4 31	neck	9 38	3 59
26	W.	☿ ☽ ☉. W'dy but not cold	7 4	4 31	neck	10 23	5 0
27	Th.	☉ in Apogee. ☽ ☽ ☉.	7 5	4 31	neck	11 11	6 2
28	Fr.	Mild for the season.	7 6	4 30	arms	morn.	rises.
29	Sa.	H. Greeley d. 1872.	7 7	4 30	arms	0 0	4 53
30	S.	Advent Sunday.	7 8	4 29	br'st	1 41	5 46

SUN'S DECLINATION.

SOUTH.			SOUTH.			SOUTH.			SOUTH.			SOUTH.			SOUTH.		
D	°	'	D	°	'	D	°	'	D	°	'	D	°	'	D	°	'
1	21	45	6	22	26	11	23	0	16	23	19	21	23	28	26	23	24
2	21	55	7	22	35	12	23	5	17	23	22	22	23	28	27	23	22
3	22	4	8	22	40	13	23	8	18	23	24	23	23	28	28	23	20
4	22	12	9	22	47	14	23	12	19	23	26	24	23	27	29	23	17
5	22	20	10	22	55	15	23	16	20	23	27	25	23	27	30	23	14

Moon Changes, Fulls and Quarters.

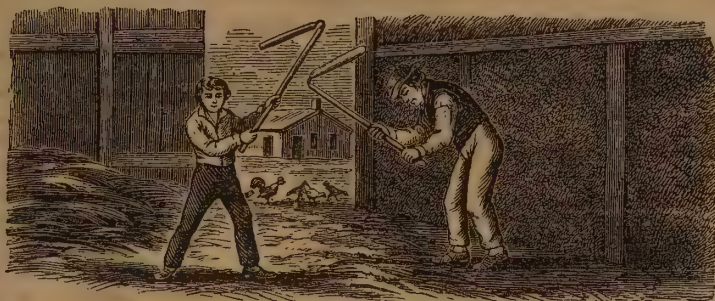
☾ Last Quarter, 6th day, 2h. 58m., in the evening.—N. W.

● New Moon, 13th day, 6h. 19m., in the morning.—E.

☽ First Quarter, 20th day, 6h. 31m., in the morning.—N.

○ Full Moon, 28th day, 11h. 31m., in the morning.—N.

M.	W.	Observable Days, Aspects, Weather, &c.	☉ R	☉ S.	☾'s	● SO.	R ● S
D.	D.		h. m.	h. m.	place	h. m.	h. m.
1	Mo.	☾ runs high. <i>A cold,</i>	7 9	4 29	br'st	1 41	6 43
2	Tu.	<i>stormy time.</i>	7 10	4 28	br'st	2 31	7 46
3	W.	<i>More mild—moist air.</i>	7 11	4 28	heart	3 20	8 51
4	Th.	☿ grt. elong. 46° 47' W.	7 13	4 28	heart	4 6	9 56
5	Fr.		7 14	4 28	heart	4 52	11 2
6	Sa.	Low tides. <i>High winds</i>	7 15	4 28	belly	5 37	morn
7	S.	2d S. in Advent. & snow	7 16	4 28	belly	6 23	0 9
8	Mo.	<i>showers.</i>	7 17	4 28	reins	7 11	1 22
9	Tu.	☿ in Perihelion.	7 17	4 28	reins	8 1	2 36
10	W.	☿ ☽ ☾. ☿ Inf. ☽ ☉.	7 18	4 28	sec's	8 57	3 53
11	Th.	<i>Variable and misty air.</i>	7 19	4 28	sec's	9 57	5 13
12	Fr.	☾ in Perigee. ☿ ☽ ☾.	7 20	4 28	thi's	11 2	18 36
13	Sa.	High tides. <i>Snow & rain.</i>	7 21	4 28	thi's	ev. 9	sets.
14	S.	3d S. in Advent.	7 22	4 28	kne's	1 13	5 45
15	Mo.	☾ runs low.	7 22	4 28	kne's	2 14	7 3
16	Tu.	☽ Stat.	7 23	4 29	legs	3 8	8 19
17	W.		7 24	4 29	legs	3 59	9 33
18	Th.	☿ ☽ ☾. <i>Sud'n changes—</i>	7 25	4 29	feet	4 45	10 41
19	Fr.	<i>cold. Moderates, snow</i>	7 25	4 29	feet	5 29	11 48
20	Sa.	Low tides. <i>or rain.</i>	7 26	4 30	head	6 10	morn
21	S.	4th S. in Advent. ☿ ☽ ☾	7 26	4 30	head	6 53	0 50
22	Mo.		7 27	4 31	head	7 36	1 53
23	Tu.		7 27	4 31	neck	8 21	2 53
24	W.	☾ in Apogee. ☽ ☽ ☾.	7 27	4 32	neck	9 7	3 54
25	Th.	Christmas day.	7 28	4 32	arms	9 56	4 53
26	Fr.		7 28	4 33	arms	10 46	5 52
27	Sa.	<i>Many clouds, but not</i>	7 29	4 34	arms	11 37	6 46
28	S.	High tides. ☾ ec. inv.	7 29	4 34	br'st	morn.	rises.
29	Mo.	<i>much storm.</i>	7 29	4 35	br'st	0 27	5 39
30	Tu.	☿ great. elong. 22° 30' W.	7 29	4 36	heart	1 17	6 43
31	W.	☉ in Perigee. <i>Colder.</i>	7 30	4 36	heart	2 5	7 49



The month opens under the rule of Uranus and Saturn, whose influence is cold, rough and stormy. The temperature for the season will occupy the extremes. It closes under Saturn and the sun—cold.

M.	P.	Day	Days'	D's	High	☉	●	<i>The Farmer's Register, Domestic Economy, &c.</i>
P.	P.	break. h. m. h.	length. m. h. m.	dec. h. m.	Water	f c m. d.	A. d.	
1	25	39	9 20	6 4	0 29	11	18	It has been proved by analytical chemistry that all food for animals consists, principally, of two different substances, called respectively albuminoids and carbohydrates. The former is appropriated by the animal, or by its digestion, to the formation of flesh or muscle, the latter to the support of respiration, maintaining the animal heat and laying on fat. It has also been proved
2	35	40	9 18	6 6	1 5	10	19	
3	45	40	9 17	6 8	1 43	10	20	
4	55	41	9 15	6 10	2 19	10	21	
5	65	42	9 14	6 12	3 1	9	22	
6	75	43	9 13	6 12	3 48	9	23	
7	E. 5	43	9 12	6 14	4 47	8	24	
8	25	44	9 11	6 14	5 59	8	25	
9	35	44	9 11	6 16	7 20	8	26	
10	45	44	9 10	6 16	8 34	7	27	
11	55	44	9 9	6 16	9 37	7	28	
12	65	44	9 8	6 18	10 33	6	29	
13	75	44	9 7	6 18	11 23	6	●	
14	E. 5	44	9 6	6 18	ev. 9	5	1	SABBATH L.
15	25	44	9 6	6 18	0 13	5	2	that animals may live for some length of time on the albuminoids alone, but that they will soon die, starve to death, if fed on the carbohydrates alone, for this reason heat cannot supply the whole
16	35	44	9 6	6 20	1 14	4	3	
17	45	44	9 5	6 20	2 8	4	4	
18	55	44	9 4	6 20	2 59	3	5	
19	65	44	9 4	6 20	3 45	3	6	
20	75	44	9 4	6 20	4 29	2	7	
21	E. 5	44	9 4	6 20	5 10	2	8	SABBATH LI.
22	25	44	9 4	6 20	6 53	1	9	use of food, it can not supply the place of the albuminoids but it can in some degree the place of the carbohydrates. The best quality of up land hay contains about thirteen per cent. of albuminoids, the
23	35	44	9 4	6 20	7 36	1	10	
24	45	43	9 5	6 20	8 21	S. 11		
25	55	43	9 5	6 20	9 7	1	12	
26	65	43	9 5	inc.	9 56	1	13	poorest kind of swale or low ground hay not a quarter part so much.
27	75	43	9 5	0 2	10 46	2	14	
28	E. 5	43	9 5	0 2	11 36	2	15	SABBATH LII.
29	25	43	9 6	0 2	morn	3	16	
30	35	43	9 6	0 2	0 12	3	17	
31	45	43	9 6	0 4	0 46	3	18	

COURTS.

United States Courts.

THE SUPREME COURT is held in the City of Washington, and has one session annually, commencing on the second Monday of October.

	Appointed.	Salary.
MORRISON R. WAITE, Ohio, <i>Chief Justice</i> .	1874	\$10,500
NATHAN CLIFFORD, Portland, Me., <i>Ass. Jus.</i> ,	1858	10,000
NOAH H. SWAYNE, Columbus, Ohio,	" "	1862 10,000
SAMUEL F. MILLER, Keokuk, Iowa,	" "	1862 10,000
STEPHEN J. FIELD, Cal.,	" "	1863 10,000
WILLIAM STRONG, Philadelphia, Pa.,	" "	1870 10,000
JOSEPH P. BRADLEY, Newark, N. J.,	" "	1870 10,000
WARD HUNT, Utica, N. Y.,	" "	1872 8,000
CHARLES DEVENS, <i>Attorney General</i> ,		8,000
WM. T. OTTO, <i>Reporter</i> ,		2,500
D. W. MIDDLETON, Washington, <i>Clerk</i> ,		

Circuit Court of New Hampshire.—At Portsmouth, on the 8th of May. At Exeter, on the 8th of October. Maine—At Portland, 23d of April, and 23d of September. Vermont—At Burlington, 4th Tuesday in February. At Windsor, 3d Tuesday in May and at Rutland 1st Tuesday in Oct. Massachusetts—Boston, 15th of May and 15th of October. Rhode Island—Providence, 15th of June and 15th of November. Connecticut—New Haven, 4th Tuesday of April, and Hartford, 3d Tuesday of September. If the days happen on Sunday, the court comes on the Monday following.

[Vacant] Judge for 1st Circuit, including Maine, New Hampshire, Massachusetts, Rhode Island. Joshua G. Hall, Dover, U. S. Attorney, for New Hampshire District. Wilbur F. Lunt, Portland, Me., U. S. Attorney for Maine District. Wm. H. Hackett, Portsmouth, Clerk for New Hampshire District. A. H. Davis, Portland, Me., Clerk for Maine District. Joab N. Patterson, Concord, Marshal. Joseph P. Morse, Portsmouth, Deputy Marshal. Alexander S. Johnson, Utica, N. Y., Judge for 2nd Circuit, including Vermont, Connecticut and New York. Benj. F. Fifield, Montpelier, Vt., U. S. Attorney for Vermont District. B. B. Smalley, Burlington, Vt., Clerk for Vermont District. Geo. P. Foster, Burlington, Vt., Marshal.

District Courts.—Daniel Clark, Manchester, N. H. District Judge. Charles H. Bartlett, Manchester, Clerk. Edward Fox, Portland, Me., Maine District Judge. W. P. Preble, Portland, Me., Clerk.

Maine—Bath, 1st Tuesday in September. Portland, 1st Tuesday in February and December. Bangor, 4th Tuesday in June. New Hampshire—Portsmouth, 3d Tuesday in March and September. Exeter, 3d Tuesday in June and December. Vermont—Burlington, 4th Tuesday in February. Windsor, 3d Tuesday in May. Rutland, 1st Tuesday in October. Massachusetts—Boston, 3d Tuesday in March, 4th Tuesday in June, 2d Tuesday in September, and 1st Tuesday in December. Rhode Island—Newport, 2d Tuesday in May, and 3d Tuesday in October. Providence, 1st Tuesday in February and August. Connecticut—New Haven, 4th Tuesday in February and August. Hartford, 4th Tuesday in May and November.

Courts in New Hampshire.

	SUPREME COURT.	Salary.
CHARLES DOE, Rollinsford, <i>Chief Justice</i> ,		\$2,400
WILLIAM L. FOSTER, Concord, <i>Associate Justice</i> ,		2,200
CLINTON W. STANLEY, Manchester,	" "	2,200
GEO. A. BINGHAM, Littleton,	" "	2,200
W. H. H. ALLEN, Claremont,	" "	2,200
LEWIS W. CLARK, Manchester,	" "	2,200
ISAAC W. SMITH, Manchester,	" "	2,200
MASON W. TAPPAN, Bradford, <i>Attorney General</i> ,		2,200
EDWARD A. JENKS, Newport, <i>Reporter</i> ,		400

CLERKS OF COURTS.

Rockingham—Chas. G. Connor. Exeter. Strafford—Geo. E. Durgin, Dover. Belknap—M. A. Haynes. Laconia. Carroll—Wm. A. Heard, Sandwich. Merrimack—L. S. Morrill, Concord. Hillsborough—Geo. A. Ramsdell, Nashua. Cheshire—Edw. Farrar, Keene. Sullivan—Geo. E. Dame, Newport. Grafton—Chas. B. Griswold. Haverhill. Coos—Moses A. Hastings, Lancaster.

LAW TERMS.—At Concord on the 1st Tu. of June and Dec. At each term the business of respective counties will be attended to as follows: Rockingham, Strafford, Belknap and Carroll, on the 1st Tu.; Merrimack and Hillsborough, on the 2d Tues.; Cheshire, Sullivan, Grafton and Coos on the 3d Tu.

TRIAL TERMS.—At Portsmouth on the 3d Tuesday of October, and at Exeter on the 3d Tuesday of January and the 2d Tues. of April, for the County of Rockingham.

At Dover on the 2d Tues. of Feb., and the 1st Tues. Sept., for the County of Strafford.

At Laconia, on the 4th Tuesday of March and the 4th Tues. of Sep., for the County of Belknap.

At Ossipee, on the 3d Tuesday of April and Oc. for the Co. of Carroll.

At Concord, on the 1st Tu. of Oct. and on the 1st Tu. of April, for the

County of Merrimack.

At Amherst on the 1st Tu. of May, at Manchester on the 1st Tu. of Jan., and at Nashua on the 1st Tu. of Sep. for the County of Hillsborough.

At Keene on the 1st Tu. of April and the 3d Tu. of Oct., for the County of Cheshire.

At Newport on the 4th Tuesday of Jan. and the 1st Tu. Sep., for the County of Sullivan.

At Haverhill on the 4th Tu. of Mar. and the 4th Tu. of Sep., for the Western Judicial District, and at Plymouth on the 1st Tu. of May and the 1st Tu. of Nov., for the Eastern Judicial District in the County of Grafton.

At Colebrook on the 1st Tu. of Feb. and the 3d Tu. of Aug., for the Northern Judicial District of Coos; and at Lancaster on the 4th Tu. of April, and on the first Tu. of Nov., for the Southern Judicial District of Coos.

PROBATE COURTS IN NEW HAMPSHIRE.

Judges of Probate.

Rockingham, Thomas Leavitt, Exeter; *Strafford*, Jacob D. Young, Madbury; *Belknap*, Samuel W. Rollins, Meredith; *Carroll*, Larkin D. Mason, Tamworth; *Merrimack*, Nehemiah Butler, Fisherville; *Hillsborough*, Henry E. Burnham, Manchester; *Cheshire*, Josiah G. Bellows, Walpole; *Sullivan*, William Clark, Claremont; *Grafton*, Frederick Chase, Hanover; *Coos*, Wm. D. Weeks, Lancaster.

Registers of Probate.

Woodbury M. Durgin, Northwood; John R. Varney, Dover; Daniel S. Dinsmore, Laconia; Samuel B. Wiggin, Sandwich; John P. Nutter, Concord; Elbridge J. Copp, Nashua; Dauphine W. Buckminister, Keene; Shepard L. Bowers, Newport; Tyler Westgate, Haverhill; Chas. B. Allen, Lancaster.

Rockingham County—At Exeter, on the Wednesday next following the third Tuesday of February, March and August, on the Wednesday next following the first Tuesday of April, and on the Wednesday next following the second Tuesday of every other month;—Portsmouth, on the third Tuesday of March and on the second Tuesday of January, May, July, September and November;—Derry, on the third Tuesday of February, and on the second Tuesday of June and October;—Raymond, on the first Tuesday of April, on the third Tuesday of August, and on the second Tuesday of December.

Strafford County—Dover, on the first Tuesday of January, March, May, August and October, and on second Tuesday of April, July, September and December; Rochester, on the first Tuesday of July and December; Farmington, on the first Tuesday of April and September; Somersworth, on the first Tuesday of Feb., June and Nov.

Belknap County—Laconia, on the third Tuesday of every month.

Carroll County—Conway, on the first Tuesday of January, May and September; West Ossipee, 1st Tuesday of February, June and October; Ossipee Corner, first Tuesday of March, July and November; Wolfborough Junction, first Tuesday of April, August and December.

Merrimack County—Concord, on the second and fourth Tuesday of every month.

Hillsborough County—Manchester, on the fourth Tuesday of January, March, May, July, September and November; Nashua, on the fourth Tuesday of February, April, June, August, October and December, Hillsborough Bridge, on Friday next following the 4th Tuesday of January; Amherst, on the Friday next following the fourth Tuesday of June and December; Milford, on the Friday next following the fourth Tuesday of February and September; Peterborough, on the Friday

next following the fourth Tuesday of May and August; Mason Village, on the Friday next following the fourth Tuesday of March and November. At Francestown, on the Friday next following fourth Tuesday of April, July and October.

Cheshire County—Keene, on the first and third Fridays of every month.

Sullivan County—Newport, on the last Wednesday of February, April, June, August, October and December; Claremont, on the last Wednesday of January, March, May, July, September and November.

Grafton County—Lisbon, on the third Tuesday of April and October,

Plymouth, on the first Tuesday of May and November; Canaan, on the first Tuesday of June and December; Haverhill, on the fourth Tuesday of March and September; Woodsville, on the first Tuesday of July; Bristol, on the third Tuesday of July; Littleton, on the third Tuesday of January; Orford, on the third Tuesday of February; Wentworth on the third Tuesday of August; Lebanon, on the first Tuesday of March and September.

Coccos County—Colebrook, on the first Tuesday of Feb. and Sep.; Lancaster on the first Tuesday of Jan. Mar., May, July, and Nov.; Gorham on the first Tuesday of Apr. and Oct.

COURTS IN MAINE.

SUPREME JUDICIAL COURT. LAW TERMS.—Augusta 4th Tu. of May. Portland, 3d Tuesday July. Bangor, 3d Tuesday June.

A meeting of all the Justices shall be held annually at Augusta during the law term; and all undecided questions of Law and Equity previously submitted shall then be decided.

SUPREME JUDICIAL COURT, CIVIL AND CRIMINAL ACTIONS.—Androscoggin Co., at Auburn, 3d Tu. Jan., April and Sept. Aroostook Co., at Houlton, last Tu. Feb., and 3d Tu. Sept. Cumberland Co., Portland, 2d Tu. Jan., April and Oct. Franklin Co., at Farmington, 1st Tu. Mar., and 4th Tu. Sept. Hancock Co., at Ellsworth, 2d Tu. April and Oct. Kennebec Co., at Augusta, 1st Tu. March, 1st Tu. Aug., 3d Tu. October. Knox Co., at Rockland, 2d Tu. Mar. and Dec., 3d Tu. Sept. Lincoln Co., at Wiscasset, 4th Tu. April and 4th Tu. Oct. Oxford Co., at Paris, 2d Tu. March and 3d Tu. Sept.; at Fryeburg, 1st Tu. Dec. Penobscot Co., Bangor, Civil Actions, 1st Tu. Jan., Apr. and Oct.; Criminal Actions, 1st

Tu. Feb. and 2d Tu. Aug. Piscataquis Co., at Dover, last Tu. Feb., and 2d Tu. Sept. Sagadahoc Co., at Bath, 1st Tu. April and 3d Tu. Aug. and Dec. (Dec. term for civil actions only.) Somerset Co., at Skowhegan, 3d Tu. March, Sept. and Dec. Waldo Co., at Belfast, 1st Tu. Jan. and 3d Tu. in April and Oct. Washington Co., at Machias, 1st Tu. of Oct. and Jan.; at Calais, 4th Tu. April. York Co., Saco, 1st Tu. Jan.; Alfred, 3d Tu. May and 3d Tu. Sept.

THE SUPERIOR COURT FOR CUMBERLAND COUNTY has exclusive jurisdiction in civil actions from \$20 to \$500, and concurrent jurisdiction with S. J. Court in actions exceeding \$500 and criminal jurisdiction in all actions. Court sits for trial of civil actions exclusively, 1st Tu. of Feb., March, April, Oct., Nov. and Dec.; and for civil and criminal cases, 1st Tu. of Jan., May and Sept.

SUPERIOR COURT FOR KENNEBEC COUNTY sits on 1st Tu. of Feb. and Apr., 2nd Tu. of June, and 1st Tu. of Sept. and Dec.

COURTS IN CONNECTICUT.

SUPREME COURT OF ERRORS.

First Judicial District (Hartford, Tolland and Middlesex Counties), at Hartford, 2d Tues. Jan. and 1st Tues. May.

Second Judicial District (New London and Windham Counties), at Norwich, 1st Tu. March and 1st Tu. Sept.

Fairfield Co., at Bridgeport, 3d Tu. Mar. and 4th Tu. Oct.

Litchfield Co., at Litchfield, last Tu. May.

New Haven Co., at New Haven, 1st Tues. June and Dec.

SUPERIOR COURT.

New Haven Co., at New Haven. *Civil terms*, 2d Tu. in Sept., 1st Tu. in Jan. *Criminal terms*, 1st Tu. in

July, Oct., Jan. and April; at Waterbury, 1st Tu. in June.

Hartford Co., at Hartford. *Civil terms*, 2d Tu. in Sept., 4th Tu. in Jan. *Criminal terms*, 4th Tu. in Aug.; 1st Tu. in Dec., March and June.

New London Co., at Norwich. 2d Tu. in Sept., 1st Tu. in Nov. and June, and 3d Tu. in March.

Fairfield Co., at Danbury. *Civil terms*, 3d Tu. in Sept., 2d Tu. in Feb. *Criminal terms*, 4th Tu. in Aug., 3d Tu. in Oct. and Feb., 2d Tu. in May.

Windham Co., at Brooklyn. 4th Tu. in Aug., 2d Tu. in Nov., 1st Tu. in Feb. and May.

Litchfield Co., at Litchfield. 1st Tu. in Sept., Nov. and Apr., 4th Tu.

in Jan.

Middlesex County, at Middletown. 3d Tu. in July, crim. term; 2d Tu. in Sept., Nov. and Feb., 3d Tu. in Apr. Tolland Co., at Tolland. 1st Tu. in Sept. Dec. and June, 2d Tu. in Apr.

COURTS OF COMMON PLEAS.

Fairfield Co., at Danbury, 1st Mon. Jan., Feb., May, and Oct.; at Bridgeport, 1st Mon. Mar., June, Sept., Nov. and Dec., and 1st Tu. April; and at Stamford, an adjourned term for the trial of court cases only, on 2d Mon. May and Dec., and at such other times as the Judge may order.

Hartford Co., at Hartford, 1st Mon. in each month except July and Aug.

New Haven Co., at New Haven, 1st Mon. in each month except July and Aug.

New London Co., at Norwich, 1st Tues. Feb. and Oct.; at New London, 1st Tues. of Apr. and Aug.

A DISTRICT COURT,

For the towns of Barkhamstead, Bridgewater, Canaan, Colebrook, Cornwall, Kent, New Hartford, New Milford, Norfolk, North Canaan, Roxbury, Salisbury, Sharon, and Winchester; is held at Winchester, 1st Mon. Jan., May, Oct.; at Canaan, 1st Mon. Mar., Aug., and Nov.; at New Milford, 1st Tu. Apr., and 1st Mon. Sept. and Dec.

COURTS IN VERMONT.

SUPREME COURT.

Gen. Term at Montpelier, Oct. or Nov.

Addison Co., at Middlebury, 1st Mo. aft. 3d Tu. Jan.

Bennington Co., on even years at Bennington, and on odd years at Manchester, 2d Tu. aft. 4th Tues. Jan.

Caledonia Co., at St. Johnsbury, 1st Thurs. next aft. 4th Tues. in Aug.

Chittenden Co., at Burlington, 1st Tu. in Jan.

Essex Co., at Guildhall, 4th Tues. in August.

Franklin Co., at St. Albans, 1st Th. after 2d Tues. in Jan.

Grand Isle Co., at North Hero, 3d Tues. in Jan.

Lamoille Co., at Hyde Park, 3d Tu. in Aug.

Orange Co., at Chelsea, 6th Tu. aft. 4th Tu. in Jan.

Orleans Co., at Irasburg, 1st Thurs. next aft. 3d Tues. in Aug.

Rutland Co., at Rutland, 1st Th. aft. 4th Tu. Jan.

Washington Co., at Montpelier, 2d Tues. in Aug.

Windham Co., at Newfane, Mon. following 2d Tu. aft. 4th Tu. in Jan.

Windsor Co., at Woodstock, 1st Th. aft. 4th Tu. next aft. 4th Tu. in Jan.

COUNTY COURTS.

Addison Co., at Middlebury, 1st Tu. in June, and 2d in Dec.

Bennington Co., at Manchester, 1st Tues. in June, and Bennington, 1st Tues. in Dec.

Caledonia Co., at St. Johnsbury, 1st Tues. in June and Dec.

Chittenden Co., at Burlington, 1st Tues. in April, and 3d in Sept.

Essex Co., at Guildhall, 2d Tues. in March and Sept.

Franklin Co., at St. Albans, 2d Tu. in Apr. and Sept.

Grand Isle Co., at North Hero, last Tu. but one in Feb. and last Tu. in Aug.

Lamoille Co., at Hyde Park, 4th Tu. May and Dec.

Orange Co., at Chelsea, 1st Tu. in June and 3d in Dec.

Orleans Co., at Irasburg, 1st Wed. aft. 1st Tues. in Sept. and 1st Tues. in Feb.

Rutland Co., at Rutland, 2d Tues. in Mar. and Sept.

Washington Co., at Montpelier, 2d Tu. Mar. and Sept.

Windham Co., at Newfane, 2d Tu. in April and Sept.

Windsor Co., at Woodstock, 4th Tu. in May, and 1st in Dec.

COURTS IN RHODE ISLAND.

SUPREME COURT.—At Newport, 3d Mon. in Mar. and 3d Mon. in Sept. Providence, 4th Mon. in Mar. and 1st Mon. in Oct. S. Kingston, 3d Mon. in Feb. and 3d Mon. in Aug. Bristol, 1st Mon. in Mar. and 2d Mon. in Sept. East Greenwich, 2d Mon. in Mar. and 4th Mon. in Aug.

COURT OF COMMON PLEAS.—At Newport, 3d Mon. in May and Nov. Providence, 1st Mon. in Mar., June, Sept. and Dec. S. Kingston, 2d Mon. in May, and 1st Mon. in Nov. Bristol, 1st Mon. in May, and last Mon. in Oct. E. Greenwich, 2d Mon. in Apr. and Oct.

USE E. C. EASTMAN'S "READY WRITER" PENS; they are the best in the market. Sent by mail on receipt of price. See advertising pages.

—A young lady in Ulster County, New York, is making a cloak almost entirely of partridge feathers.

COURTS IN MASSACHUSETTS.

SUPREME JUDICIAL COURT OF MASSACHUSETTS.—JURY TERMS.—For Dukes Co., at New Bedford, 2d Tues. of Nov. For Barnstable Co., at Barnstable, 1st Tuesday of May. For Berkshire Co., at Pittsfield, 2d Tu. of May. For Bristol Co., at New Bedford, 2d Tu. of Nov.; also at Taunton, 3d Tu. of April. For Essex Co., at Salem, 3d Tu. of April and 1st Tu. Nov. For Franklin Co., at Greenfield, 2d Tu. of April. For Hampden Co., at Springfield, 4th Tu. of April. For Hampshire Co., at Northampton, 3d Tu. of April. For Middlesex Co., at Lowell, 3d Tu. of April; also at Cambridge, 3d Tu. of Oct. For Nantucket Co., at New Bedford, 2d Tu. of Nov. For Norfolk Co., at Dedham, 3d Tu. of Feb. For Plymouth Co., at Plymouth, 2d Tu. of May. For Suffolk Co., at Boston, 2d Tu. of Sept. and 1st Tuesday of April. For Worcester Co., at Worcester, 2d Tu. of April.

LAW TERMS OF SUPREME JUDICIAL COURT OF MASSACHUSETTS.—A law term for the Commonwealth shall be held at Boston on the first Wednesday of January of each year, which term may be adjourned, from time to time, to places and times most conducive to the despatch of business and the interests of the public; and there shall be entered and determined therein questions of law arising in the counties of Barnstable, Middlesex, Norfolk and Suffolk; and also all questions of law arising in other counties where special provisions are not made therefor.

And law terms of said court shall also annually be held as follows:

At Salem, for Essex Co., 1st Tu. of Nov.

At Pittsfield, for Berkshire Co., 2d Tu. of Sept.

At Springfield, for Hampden Co., 3d Mon. after 1st Tu. of Sept.

At Northampton, for Hampshire and Franklin Cos., Mon., next after 2d Tu. of Sept.

At Worcester, for Worcester Co., 4th Tu. after 1st Tu. of Sept.

At Plymouth, for Plymouth Co., 3d Tu. of Oct.

At Taunton, for Bristol, Nantucket and Dukes Cos., 4th Tu. of Oct.

For the hearing of Probate appeals in the counties of Berkshire, Franklin, Hampshire and Hampden, and of all matters pending in said counties

in equity and otherwise, which may be heard and determined at chambers, one of the justices shall attend at Springfield on the 1st Monday of Feb., June, Aug., and Dec.

SUPERIOR COURT OF MASSACHUSETTS.—For Essex Co., (civil) at Salem, 1st Monday of June and Dec.; at Lawrence, 1st Monday of March, and at Newburyport, 1st Monday of Sept.; (crim.) at Lawrence, 1st Mon. of Oct., at Newburyport, 2d Mon. of May, and at Salem, 4th Mon. of Jan.

For Middlesex Co., (civil) at Lowell, 2d Monday of March and 1st Monday of Sept.; at Cambridge, 1st Monday of June and 2d Monday of Dec.; (crim.) at Cambridge, 2d Monday of Feb., and 4th Mon. of June; and at Lowell, 3d Mon. of Oct.

For Hampshire Co., at Northampton, (civil) 3d Mon. of Feb., 1st Mon. of June, and 3d Mon. of Oct.; (crim.) 2d Mon. of June and 3d Mon. of Dec.

For Franklin Co., at Greenfield, 3d Mon. of March, and 2d Mon. of Aug. and Nov.

For Hampden Co., at Springfield, (civil) 2d Mon. of March and June, and 4th Mon. of Oct.; (crim.) 3d Mon. of May, and 1st Mon. of Dec.

For Berkshire Co., at Pittsfield, (civil) 4th Mon. of Feb., June and Oct.; (crim.) 2d Mon. of Jan. and July.

For Norfolk Co., at Dedham, (civil) 4th Mon. in Apr., Sept., and Dec.; (crim.) 1st Mon. in Apr., Sept., and Dec.

For Plymouth Co., at Plymouth, 2d Mon. of Feb. and June, and 4th Mon. of Oct.

For Bristol Co., at Taunton, 1st Mon. of March, June, Sept., and Dec.

For Suffolk Co., at Boston, (civil) 1st Tu. of Jan., April, July, and Oct.; (crim.) 1st Mon. of every month.

For Barnstable Co., at Barnstable, Tu. next after 1st Mon. of April, and 2d Tu. of Oct.

For Nantucket Co., at Nantucket, 1st Tu. of July and Oct.

For Dukes County, at Edgartown, last Tu. of May and Sept.

For Worcester Co., (civil) at Worcester, 1st Mon. of March, Mon. next after 4th Mon. of Aug., and 2d Mon. of Dec.; and at Fitchburg, 2d Mon. of June and Nov.; (crim.) at Worcester, 3d Mon. of Jan., 2d Mon. of May, and 3d Mon. of Oct.; and at Fitchburg, 2d Mon. of Aug.

PROBATE COURTS IN MASSACHUSETTS.

Suffolk County.—At Boston, every Monday in each month, except the second and fourth Mondays in Aug.

Essex County.—At Salem, 1st Mon. of each month, and 3d Mon. of each month, except Aug.: Lawrence, 2d Mon. Jan., Mar. May, June, July,

Sept. and Nov. Haverhill, 2d Mon. Apr. and Oct.; Newburyport, 4th Mon. Jan., Mar., May, June, July, Sept., and Nov.; Gloucester, 4th Mon. April and Oct.

Middlesex County.—At Cambridge, 1st, 2d, and 4th Tu. of each month ex-

cept Aug.; Lowell, 3d Tu. of Jan., Mar., May, July, Sept., and Nov.

Worcester County.—At Worcester, 1st and 3d Tu. of every month except Aug.; Fitchburg, 4th Tu. of every mo. except July and Aug.; Milford, 2d Tu. of April and Sept.; Templeton, 2d Tu. of May and Oct.; and Barre, Wed. next after 2d Tu. of May and Oct.

Hampshire County.—At Northampton, 1st Tu. of every month; Amherst, 2d Tu. Jan., Mar., June, Aug. and Nov.; Belchertown, 2d Tu. of May and Oct.; and Williamsburg, 3d Tu. May and Oct.

Hampden County.—At Springfield, 1st Tu. Jan., Feb., March, Apr., May, June, July, Sept., Oct., and Dec.; Palmer, 2d Tu. of Feb., May, and Sept., and 4th Tu. of Nov.; Westfield, 3d Tu. in Feb., May, Sept., and Dec.

Franklin County.—At Greenfield, 1st Tu. in every month, except Nov.; Northfield, 2d Tu. May and Sept.; Orange, 2d Tu. Mar. and Dec., and 3d Tu. June; Conway, 3d Tu. May; Shelburne Falls, 4 h Tu. May, 2d Tu. Feb., and 4th Tu. Oct.

Bristol County.—At Taunton, 1st Friday, Mar., June, Sept. Dec.; New Bedford, 1st Friday, Feb., May, Aug., and Nov.; Fall River, 1st Friday Jan., April, July and Oct.

Nantucket County.—At Nantucket, on Thurs. after 2d Tu. of every month.

Berkshire County.—At Pittsfield, 1st Tu. of Jan., Feb., Mar., Apr. May, June, Sept., Oct., and Dec., 3d Tu. July, and Wed. after 1st Mon. Nov.; Lee, Wed. after 1st Tu. in Jan., Apr.,

and Oct., and Wed. after 3d Tu. July; Adams, Thurs. after 1st Tu. Jan. and Oct., Wed., after 1st Tu. March, and Thurs. after 3d Tu. in July; Great Barrington, Wed. after 1st Tu. in Feb., May, Sept., and Dec.

Plymouth County.—At Plymouth, 2d Mon., of every month, except July and Aug.; Wareham, 4th Mon. Oct.; East Bridgewater, 4th Mon. Feb., and Dec.; Hingham, 4th Mon., Mar.; Middleboro', 4th Mon., Apr., and Jan., and 2d Mon. July; Abington, 4th Mon., May, Aug., and Nov.; Hanover, 4th Mon. June; Bridgewater, 4th Mon. Sept.; North Bridgewater, 3d Mon. Apr., and Oct.

Barnstable County.—At Barnstable, 2d Tu. Jan., Feb., Mar., Aug., Sept., Dec., and 3d Tu. Apr., and June; Harwich, 2d Mon. after 1st Tu. May, and Mon. after 3d Tu. Oct.; Orleans, 3d Tu. May and 4th Tu. Oct.; Weyfleet, 3d Tu. May, and 4th Tu. Oct.; Provincetown, Wed. after 3d Tu. May, and Wed. after 4th Tu. Oct.; Falmouth, 3d Tu. Nov.

Norfolk County.—At Dedham, 1st and 3d Wed.; Quincy, 2d Wed., Hyde Park, 4 h Wed. every month, except Aug.

Dukes County.—At Holmes' Hole village in Tisbury, 3d Mon. Apr. and 1st Mon. Sept.; Edgartown, 3d Mon. Jan. and July, and 1st Mon. March, and Dec.; West Tisbury, 1st Mon. and June 3d Mon. Oct.

When the appointed day falls on a holiday, the court will be holden by adjournment at such time and place as the judge may appoint.

JUDGES OF PROBATE COURTS IN MASSACHUSETTS.

Suffolk Co., J. W. McKim, Boston.
Essex Co., Geo. F. Choate, Salem.
Middlesex Co., Geo. M. Brooks, Concord.

Worcester Co., Henry Chapin, Worcester.

Franklin Co., C. C. Conant, Greenfield.

Bristol Co., Edm. H. Bennett, Taunton.

Plymouth Co., Wm. H. Wood, Middleboro'.

Barnstable Co., Jos. M. Day, Barn-

stable.

Nantucket Co., Thaddeus C. De-friez, Nantucket.

Dukes Co., Joseph T. Pease, Edgartown.

Hampden Co., W. S. Shurtleff, Springfield.

Hampshire Co., Wm. G. Bassett, Easthampton.

Norfolk Co., G. White, Newton L. Falls.

Berkshire Co., J. T. Robinson, No. Adams.

REGISTERS OF BANKRUPTCY IN NEW ENGLAND.

MAINE.

1st District, J. D. Fessenden, Portland.

2d District, John W. May, Auburn.

3d District, vacancy. Duties apportioned as follows: Lincoln and Kennebec Co's, Register May; Somerset and Knox Co's, Register Hamlin.

4th Dist., Charles Hamlin, Bangor.

5th Dist., vacancy. Assigned to Register Hamlin.

NEW HAMPSHIRE.

1st Dist., Thos. E. Sawyer, Dover.

2d Dist., J. B. Straw, Manchester.

3d Dist., A. T. Bachelder, Keene.

VERMONT.

1st Dist., W. G. Veasey, Rutland.

2d Dist., A. Underwood, Wells River.

3d Dist. { John L. Edwards, Newport.
L. L. Lawrence, Burlington

MASSACHUSETTS.

1st Dist., H. M. Knowlton, New Bedford.

2d Dist., Samuel B. Noyes, Canton.

3d Dist., F. W. Palfrey, Boston.

4th Dist., S. L. Thorndike, Boston.

5th Dist., Benj. C. Perkins, Salem.

6th Dist., E. J. Sherman, Lawrence.

7th Dist., A. F. Jewett, Lowell.

8th Dist., Peter C. Bacon, Worcester.

9th Dist., W. T. Davis, Greenfield.

10th Dist. Gideon Wells, Springfield.

CONNECTICUT.

1st Dist., Henry E. Burton, Hartford.

2d Dist., E. K. Foster, New Haven.

3d Dist., R. Colt, Jr., New London.

4th Dist., L. N. Middlebrook, Bridgeport.

RHODE ISLAND.

John C. Pegrat, Providence.

RATES OF POSTAGE.

LETTERS, prepaid by stamps, 3 cts. each $\frac{1}{2}$ oz. or fraction thereof, to all parts of the United States; forwarded to another post-office without charge on request of the person addressed; if not called for, returned to the writer free, if endorsed with that request. If the stamp is omitted, the letter is forwarded to the dead-letter office. Drop or local letters, 2 cts. each 1-2 oz. at offices where free delivery by carrier is established at other offices 1 c. prepaid by stamps, and all letters and papers delivered in cities free of charge. POSTAL CARDS, 1 ct. each. CIRCULARS, in an unsealed envelope, 1 ct. for each 2 oz. or fraction.

THE POSTAGE ON NEWSPAPERS and PERIODICAL PUBLICATIONS addressed to regular subscribers, must be prepaid by the publishers at the following rates, viz: On those issued weekly and oftener, 2 cts. a pound; on those issued less frequently, 3 cents a pound.

MISCELLANEOUS.—Including pamphlets, occasional publications, transient newspapers, magazines, books, periodicals, handbills, posters, sheet music, prospectuses, maps, proof-sheets, corrected proof-sheets and regular publications designed primarily for advertising purposes or free circulation, or for circulation at nominal rates, are subject to postage at the rate of *one cent for each 2 ounces or fraction thereof*, and printed cards and blanks, lithographs, prints, chromos, lithograph engravings, photograph and stereoscopic views, book manuscripts, unsealed circulars, seeds, cuttings, roots and scions, bulbs, flexible patterns, samples of ores, metals, minerals and merchandise, sample cards, photographic paper, letter envelopes, postal envelopes and wrappers, unprinted cards, plain and ornamental paper, card-board and other flexible material, and all other mailable matter of the 3d class at *one cent for each ounce and fraction thereof*, no package to exceed 4 pounds weight. The sender of any article of the 3d class mail matter may write his or her name or address there-in, or on the outside thereof, with the word "from" above or preceding the same, or may write briefly or print on any package the number and names of the articles enclosed.

MONEY ORDERS.—For any amount not exceeding \$50 on one order, are issued in the principal offices, on payment of the following fees: Orders not exceeding \$15, 10 cts.; over \$15 and not exceeding \$30, 15 cts.; over \$30 and not exceeding \$40, 20 cts.; over \$40 and not exceeding \$50, 25 cts.

FOREIGN LETTERS.—For letters weighing $\frac{1}{2}$ oz. or under to the following countries, viz: Germany, Austria, Hungary, Belgium, Denmark (including Iceland and the Faroe Islands, Egypt, Spain, including the Balearic Isles, the Canary Islands, the Spanish possessions on the northern coast of Africa, and the postal establishments of Spain upon the western coast of Morocco, Great Britain, including the Island of Malta, Greece, Italy, Luxemburg, Norway, The Netherlands, Portugal, including the Island of Madeira and the Azores, Roumania, Russia, including the Grand Duchy of Finland, Servia, Sweden, Switzerland and Turkey, 5c., prepaid. To Aspinwall, 5c. Australia, 21c. Bahamas, 3c. Bolivia, 17c. Borneo, 33c. Buenos Ayres, 23c. Burmah, 17c. Cape of Good Hope, 27c. Canada, 3c. Chili, 17c. China, 27c. Cuba, 5c. East Indies, 5c. Fernando, 15c. Gibraltar, 8c. Hong Kong and Chinese Ports, 10c. Japan, 15c. New South Wales, 12c. Paraguay 23c. Philippine Islands, 27c. Hawaiian, 6c. Spain, 12c. Switzerland, 5c. Tunis, 7c. Venezuela, 10c. West Indies, 5c.

GEORGE W. DREW, the enterprising manager of the New Hampshire Sewing Machine Agency, at Concord, has bolted from the old system of canvassers, and now sells his machines directly to the people, thus saving to his customers the \$20 or \$30 usually paid to middlemen as commission on each machine. A splendid sewing machine, with drop leaf, drawers and various other improvements and attachments, can be purchased of him for only \$25. He sells the New White, American, Weed, Howe, Home, Domestic and other machines, and we should advise our readers to procure his circulars and price lists before buying elsewhere.

WEATHER NOTES for 1877-8, from Records of Wm. L. Foster.

NOVEMBER, 1877.—The average minimum temperature of the month was 31 14-30° being 1 8-30° colder than that of Nov. 1876, but nearly 4 degrees warmer than the average of the last 21 Novembers.

DECEMBER, 1877.—The average minimum temperature was 22 4-31°, being 15 10-31° warmer than that of December, 1876, and 4° warmer than the average of the last 21 years. It was the warmest December since the year 1857, the average minimum temperature of which was more than 3° warmer than that of 1877.

THE WEATHER OF THE YEAR 1877.—The average minimum temperature has been 3° warmer than the average of the last 21 years and by nearly one degree the warmest year during the entire period. Rain fell on 97 days to the total amount of 38.03 inches, being 7.08 more than the average of the last 22 years. Snow fell on 22 days to the total amount of 33 inches, being less than the snow fall of 1876 by 89 inches, and the smallest annual quantity ever recorded during my observations of 22 years.

JANUARY, 1878.—Average minimum temperature—Jan. 1878, 12 9-31°; Jan. 1877, 7-31°; Jan. (22 years) 11 10-31°. Average maximum temperature—Jan. 1878, 36 18-31°; Jan. 1877, 31 8-31°; Jan. (10 years) 33 25-31°. Rain—Jan. 1878, 2.40 inches; Jan. 1877, 0 inches; Jan., average (22 years) 0.97 inches. Snow—Jan. 1878, 19 inches; Jan. 1877, 22 inches; Jan., average, (22 years) 20 inches. Snow this winter, 24 inches; last winter, before Feb. 1, 65 inches; average before Feb. 1, 44 inches.

FEBRUARY, 1878.—The average minimum temperature was 17°, being slightly colder than Feb. 1877, but about 4 degrees warmer than the average. Whole amount of rain, 2.02 inches, being 1¼ inches more than the average quantity. Whole amount of snow, 24 inches, being 8 inches more than the average quantity.

MARCH, 1878.—The average minimum temperature of the month was 26 27-31°, being 4 degrees warmer than that of March, 1877, and 5 degrees warmer than the average of 22 years. The average maximum temperature was 49 14-31°, being 2 degrees warmer than that of March, 1877, and 6½ degrees warmer than the average of the last 10 years. The whole quantity of snow fallen the past winter was 50 inches.

APRIL, 1878.—The average minimum temperature of the month was 41 3-30°, being 5 8-30° warmer than that of April last year, and 8° warmer than the average of the last 22 years. The average maximum temperature was 60 17-30°, being about 1-3 of a degree warmer than that of April last year, and 3½° warmer than the average of the last 10 years. It has been the warmest April within my observation of 22 years.

MAY, 1878.—The average minimum temperature was 45 5-51 degrees, being 1 10 of a degree cooler than that of May, 1877, but 1-3 of a degree warmer than the average during the last 22 years. The average maximum temperature was 68 3-31°, being 1 6-31° warmer than that of May, 1877, and 1° warmer than the average during the last 10 years.

JUNE, 1878.—The average minimum temperature of the month was 52 9-30°, being 6 8-30° cooler than that of June last year, and 3° cooler than the average minimum temperature of June during the last 22 years. The average maximum temperature was 75 1-2°, being 1 1-6° cooler than that June last year, and 1 1-4° cooler than the average maximum temperature of June during the last 10 years.

JULY, 1878.—The average minimum temperature of the month was 62 21-31°, being about half a degree cooler than that of July, 1877, but 21-31° warmer than the average during the last 22 years. The average maximum temperature was 85°, being 5 1-3° warmer than that of July, 1877, and 5 1-3° warmer than average of last 10 years.

AUGUST, 1878.—The average minimum temperature was 58 12-31°, being 5 3-31° cooler than that of August, 1877, but 1-3 of a degree warmer than the average during the last 22 years. The average maximum temperature was 79 2-31°, being ½° cooler than that of August, 1877, and 1½° cooler than the average during the last 10 years.

EDSON C. EASTMAN.

Whilst he is away on a brief business trip, we snatch this opportunity to say a few pleasant words of the well-known publisher of the Almanac. Nor is apology necessary, especially not to our regular readers, who cannot take other than a deep interest in the genial gentleman through whose instrumentality this publication has reached an annual circulation of nearly forty thousand copies, and whose untiring efforts have made it almost indispensable to so many New England homes.

Born of sturdy ancestry, who stoutly resisted the encroachments of the Indians on the earliest settlement of Penacook (now Concord), his patrimony was a vigorous constitution and an inherent integrity, both of which he has kept good, and which his beloved mother graced with an inheritance from her own characteristic kindness of heart and gentleness of manner. Having acquired a good education and considerable knowledge of business, he took up the vocation of a bookseller and publisher, in the year 1857, in his native city, and has there ever since pursued it. His forty-five years of life rest lightly on him, yet conflagration and other calamity have from time to time stripped him of much of his honestly earned possessions; but to his honor it can be truthfully asserted that he never faltered, and that his establishment never for once waned in popularity. Despite his heavy losses, there are to-day only very few, if any, book dealers in this community who would pretend to competition with him in extent of sale and number of publications. His long experience, uncommon tact in his business, and, above all, his natural adaptation to his calling, have conduced to put him in the front rank of the book trade. The superior excellence of his judgment of stationery, the laudable adroitness with which he culls and selects his stock, and the especial promptness and accuracy with which his house fill orders for legal blanks and books of all kinds and descriptions, and his remarkable willingness to oblige and politeness to his customers, certify his high standing and bespeak his fully merited success.

His present place of business is just below the Eagle Hotel, in Concord, and within a stone's throw of the original site. He has recently completed the publication of *Eloquence for Recitation and Memoir and Official Correspondence of Gen. John Stark*, two splendid books which should be in every family library. The former is composed of the finest selections of poetry and prose in the English language, and is a valuable work for household reading, besides being especially designed for scholars who desire good extracts and pieces for school recitation. The latter book is virtually a biography of that noted revolutionary soldier and hero of whom we have read and heard so much, and the incidents of whose life should be familiar to every body.

But a list of Mr. Eastman's principal, recent publications will be given elsewhere, and, now that we have occupied all the space that we dare to take in his absence, we trust he will forgive us this, our little venture in his behalf, and feel assured that our readers will join with us in wishing him a long and happy life, and in giving him our respective proportions of the patronage and support which he so richly deserves, and which it is for our interests to give.

EXCELLENT INTEREST RULES for finding the interest on any principal for any number of days. The answer in each case being in cents, separate the two right-hand figures to express it in dollars and cents.

Four per cent.—Multiply the number of days, and divide by 72.

Six per cent.—Multiply by the number of days, separate the right-hand figure, and divide by six.

Eight per cent.—Multiply by the number of days, and divide by 45.

Nine per cent.—Multiply by the number of days; separate the right-hand figure, and divide by 4.

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Twelve per cent.—Multiply by the number of days, and separate the right-hand figure, and divide by 3.

Fifteen per cent.—Multiply by the number of days, and divide by 24.

Eighteen per cent.—Multiply by the number of days; separate the right-hand figure, and divide by 2.

Twenty per cent.—Multiply by the number of days and divide by 18.

FARM PARAGRAPHS.

CHURNING in summer is best to be done in the early morning, while it is cool; in winter it should be done in a warm place. Rapid churning is not the best, but an even, steady, moderately slow time serves a better purpose; fifty to sixty strokes of the dash per minute will generally bring the butter in thirty minutes. If the cream is slightly acid and of the right temperature, say fifty to sixty degrees, it will require less than half an hour. Butter produced in thirty or forty minutes is better than that produced in longer or shorter time.

TEPID water, slightly salted, given twice a day, will increase the flow of milk one-third. If the cow will not drink it at first trial, scatter a handful of bran or meal over the top of it. They soon will become very fond of it and will drink all you give them.

FARM horses in the fall are often ungratefully neglected. Their hard toil in helping with the heavy work of the season over, when only odd jobs await them, it is too frequent a custom to dock them of their grain and allow them to shift for themselves on the pastures, often without needed shelter from the bleak winds and early frosts of autumn nights. Ingratitude to our fellow men is justly considered an odious vice, but is there not often a stronger taint of it also in the treatment of these noble animals, to whose faithful help in all kinds of drudgery farmers are deeply indebted for full barns and comfortable homes?

LET no day pass without some increase of knowledge. Whatever you cultivate, do it well. Whatever stock you have, let it be good and take good care of it and improve it as fast as your means will admit. Whatever fruit you have, let it be choice and study to improve it, how to make it so as to get the highest price. If you have a garden, let it be the first in the neighborhood. Be at the head of the class, not third, fourth or at the foot.

IT needs few statistics to prove that the Agricultural population of a country is its true element of power, its real conservative force. It maintains its ground in quiet and persistency; and alike, in war and peace, carries on its life-giving pursuits and adds to the wealth of the nation. It alone is free from the evils which come to society from an excess of non-productive population, extravagant expenditures, an unstable currency, the over-supply of manufactured goods, and even war itself. In France, during the reign of radical communism, its six millions of landed proprietors became conservators of the law, guaranteed tranquility, maintained the public safety, and paid the German indemnity of two billions of dollars in gold in less than two years and a half from the date of the peace negotiations. Thus the farmers of France settled the grandest financial problem ever presented to the consideration of its people; and it is safe to say that no other nation on the face of the globe could have performed so marvelous an undertaking in so short a time. And Why? Because in the thrift, stability, energy and flexibility of its agricultural population France beats the world. And what is true of France is true of our own country, notwithstanding that but 10 per cent. of our territory is devoted to purposes of Agriculture, while in France more than half its land is under cultivation,—and true, also of every state and nation,

the masses of whose population own the soil and engage in its profitable culture. Those that own the soil, own the country, and land-ownership is the basis of the only true material wealth. Buildings burn, banks burst, ships sink, wealth takes to itself wings—but the land remains. Who has ever heard during the last four years of panics, and suspensions and defalcations, and irregularities—that the earth has opened and swallowed up a man's farm? Or that something has come down and covered it all up so that he could not find it? We make no reference to mortgages and attachments—the farmer must look out for these! But the fact remains—that whomsoever owns the land and tills it in such a manner that it does not grow poorer, must be himself growing richer. The farming industry is the basis of all wealth, the governing power of all commercial industries, the foundation of all security. "The king himself is served by the field."—*Maine Farmer.*

HEROES AND HEROINES.

Not he who on a field of carnage wins a victor's crown, nor she who on some noble impulse defies the fury of contending elements, to pluck a life from the grasp of Death. No; not those whose famous names are deeply chiseled in monumental brass, nor those whose daring deeds are written in crimson blood on the page of history. We have reference to other heroes and to other heroines,—heroes whose bravery may never have incited the plaudits of an admiring populace, and heroines whose self-sacrifice may never have been immortalized in measured verse, yet none the less heroes and heroines. Fond fathers who have toiled early and late through many a long year, to give their sons an education; dear mothers who have delved like galley-slaves, to give their daughters the advantages of good society and a comfortable home; kind husbands who have anticipated and indulged the slightest wish of invalid wives; loving wives who through sore trials and tribulations have tenderly administered to every want of the household; and splendid sons, daughters, brothers, sisters and friends, who have choked down their own ambitions, smothered their own aspirations, sacrificed their own welfare and prospects, wiped away the tear of disappointment, and cheerfully done their very best in the interest of those around them. Are they not heroic! It has been truly said that the grandest deeds of heroism are those done within four walls and in domestic privacy. To give one's life in a glorious work is heroism, and it may be offered in the little kitchen or sick-room as well as on the briny deep, at the plow or in the workshop, as well as on the field of battle. To clothe the naked, to enlighten ignorance, to feed the hungry, to do justice, to walk upright, to patiently suffer, to be poor and contented, to do one's best at all times and under all circumstances, is heroism, and heaven's mighty roll shall bear, in letters all of gold, many "a simple name alone, to the great world unknown."

* * *

What is the best government? That which teaches us to govern ourselves.

CURIOUS FACTS.

—A single grain of gold can be beaten out so as to cover a surface of nearly thirty square yards.

—In Africa, the birth of twins is considered an evil omen. The children and mother become objects to be avoided until the sixth year afterward, when it is thought safe to tolerate them.

—Two tiny salmon, hatched from one egg and joined together like the Siamese Twins, were lately exhibited alive at a scientific meeting in Philadelphia.

—Customs differ amongst nations. In the tribe of Vizrees, who live in Cabul, India, the women do all the courting, and choose their husbands for themselves. A jolly place for modest young men to go.

—Nature exhibits curious freaks. A woolly calf has been born in Iowa. The whole body is covered with black wool, and the horns look like a lambs. The calf butts like a sheep.

—In the Island of Java is a poisonous valley, emitting fumes of carbonic acid gas, so that birds flying over it, fall dead, and a dog or cat thrown into it will die in ten minutes. It is the crater of an extinct volcano.

—Our western Indians still kill a warrior's horse over his grave and bury with him his bow and arrows, besides various other implements of war, and some domestic articles, not forgetting his "faithful dog," if he happen to have had one.

SWAMP-LAND DRAINAGE.—There are thousands of acres of swamp and swale lands in New Hampshire, which are now almost valueless, but which could be so improved, through an outlay not exceeding twenty-five dollars per acre, as to produce, annually, two tons of excellent hay per acre. Experiments have proved this statement correct. The legislature of 1878 passed a law to encourage the drainage and irrigation of such soils, by releasing them from all taxation for ten years after the completion of the improvements to the satisfaction of selectmen of the towns in which they are made.

STATISTICAL ITEMS.

—To procure a pound of silk requires the labor of two thousand and nine hundred silk worms.

—The pork dealers of Cincinnati slaughter about 400,000 hogs during the regular season.

—Were all of the United States as thickly populated as Massachusetts, they would aggregate a population of 446,000,000 persons.

—It is thought that there are about one million Jews now resident in this country.

—There are many trees in California measuring over three hundred feet in height.

—They raise six hundred bushels of sweet potatoes to the acre on the Gandaloupe River, Texas.

—The population of Japan is considerably over thirty-five millions, very nearly the population of the United States.

—There are eight millions of human beings in England, Ireland and Wales who can neither write nor read.

LEGAL STRAWS.

Mere words do not justify a blow.

Contributory negligence is fatal to a suit for damages.

A new promise, not a mere acknowledgment, revives a six-year-old debt.

To be a common scold is an offence under the law.

Eaves-dropping is contrary to law, and punishable, and there are those who ought to know it.

The amount deposited may be recovered by law, but not the whole wager or amount of bet.

A gift is not completed by mere words alone; there must be an actual or constructive delivery.

Cribbing is not a breach of warranty of soundness, unless it impairs the horse for ordinary use, or the purposes for which he was sold.

Received from John Smith one dollar, in consideration of which I hereby discharge all my claims against him to date, is a good form of receipt to take.

Ordinary gas fixtures do not pass from vendor to vendee, unless so understood.

If a policeman request the assistance of a by-stander, in making an arrest, the bystander is bound to aid him, unless physically unable.

It has been held that a personal action for breach of promise to marry does not survive the defendant, but a suit against his estate for the wood and lights used in courting the plaintiff, is good.

An action cannot be maintained for the telling of a naked lie, when no loss or damage is caused by it.

Every man is presumed to contemplate the probable consequences of his own acts. If you turn around suddenly in the street and knock another person down, you are liable for the injury sustained.

The law does not regard a newspaper publisher as the insurer of the truth of every assertion that appears in his paper, but holds him to good intent and due care.

When you have a cause in court, put on your Freemason pin, hang out your temperance badge, and, if possible, bring along your handsome wife, and you will be sure to win before a jury.

It is not a natural, inherent right of an individual to dispose of his property by will, after his decease, but a legal privilege given by positive law.

Officers have no right to handcuff an unconvicted prisoner, when there is no attempt to escape, nor any reasonable ground to fear a rescue.

The owner of a beast known to be dangerous is liable for damage done by it, when such damage is the result of want of due care on the part of the owner properly to guard his animal from doing injury.

If a dog assail a person as he is passing, or endanger him by frightening his horse on the road, the person assailed or endangered, may protect himself and his horse by killing the dog.

Stepping over the threshold of a house, or the putting the hand in at a window to extract goods, may constitute a burglary.

In the sale of animals, obvious defects are not understood to

be included in a general warranty ; such defects as are apparent upon a casual inspection of the property, or of which the buyer was aware at the time of sale, are not to be regarded as being covered by a general warranty.

Circumstantial evidence, when the circumstances are proved, is frequently the strongest possible evidence, and that generally relied on for the conviction of crime. Wrong-doers seldom take witnesses with them, and a chain of circumstances, that cannot be fabricated, is better than a dozen witnesses, who may labor under a delusion.

WHY SOME PEOPLE ARE POOR.

Silver spoons are used to scrape kettles.

Coffee, tea, pepper and spices are left uncovered and lose their strength.

Potatoes in the cellar grow, and sprouts are not removed until the potatoes become worthless.

Brooms are never hung up and are soon spoiled.

Nice handled knives are thrown into hot water.

The flour is sifted in a wasteful manner, and the bread pan is left with the dough sticking to it.

Clothes are left on the line to whip to pieces in the wind.

Tubs and barrels are left in the sun to dry and fall apart.

Dried fruits are not taken care of in season and become wormy.

Rags, strings and paper are thrown into the fire.

Bits of meat, vegetables, bread and cold puddings are thrown away when they might be warmed, steamed, and served as good as new.

HISTORICAL NOTES.

—Asparagus has been a common and favorite vegetable for more than two thousand years.

—Bowling is an English game, and was very common five or six hundred years ago. Charles I. played at it, and it was a daily sport of Charles II., at Tunbridge.

—The Charter Oak which was blown down by the great August storm of 1856, was known to be four hundred and fifty years old, by the number of annual rings in the tree.

—Glass bottles were first made in England about 1558. The art of making bottles and drinking glasses was known to the Romans eighteen hundred years ago, as they have been found amongst the Ruins of Pompeii.

—The shaving of the head as a token of sorrow is still resorted to amongst many nations of the far East. The origin of the custom is very ancient, as mentioned in the Scriptures : "He arose and rent his mantle, and shaved his head."

A beautiful lady of the court of Edward VI., of England, invented patches to hide a blemish on one of her snowy shoulders, and for fifty years the youngest and most charming women of Europe wore them.

—The plain of Sharon, celebrated in Scripture for its beautiful roses, is still remarkable for the splendor and fragrance of these flowers. They are mingled in profusion with a native variety of tulip.

USEFUL RECEIPTS.

If you would clear your house of rats, kerosene one and let him go.

It is said flies will not light on frames which have been brushed over with water in which onions have been boiled.

THE best time to kill a weed is before it is born. Stir the soil in advance and the germ is nipped, prematurely.

A DUST bath is indispensable to success with fowls.

A SOLUTION of whale-oil soap and hellebore rids plants of most insects, including scale, mealy-bug and slug, but to be effective against the green-fly a dash of Persian insect powder must be added.

TEA STAINS may be removed by being wet in alcohol and ammonia, then sponged with alcohol, then washed in tepid soap-suds. If traces of the stains remain, hold them over the fumes of burning sulphur.

THE poultry editor of the *London Country* dares to maintain that hens don't usually do so much damage in a garden as the woman who goes out to throw things at them.

ACCORDING to a French horticulturist, the occasional bitter taste of cucumbers is entirely due to immoderately slow growth. The prevention is judicious watering in time of drought, but when cold is responsible for the mischief, the treatment is not so clear.

FOR the easy removal of the unsightly stable-stains on the coats of white and gray horses, a foreign veterinarian recommends the application of a thick paste of finely-powdered charcoal and water; let dry and rub off with brush and wisp of straw, and the discoloration will be found to have entirely disappeared.

CUCUMBERS, according to an article in the *Michigan Farmer*, are depleted of most of their power for harm by placing the slices, properly salted, under pressure of another plate and a heavy flat-iron—"which expels the juice which contains the powerful cathartic *electarium*, to which the common ills attending the use of this vegetable can be clearly traced."

TO DRIVE ANTS.—Dissolve two pounds of alum in three quarts of water, and apply with a brush while hot to every crevice where they harbor. Then sprinkle pulverized borax freely where they are most numerous.

CATARRH REMEDY.—Use a douche of tepid salt water once, twice or thrice a day, as the severity of the case may require. An apparatus for applying the douche can be obtained at any drugstore; a fountain spring is the best. Use a quart of water at a time, opening and applying the nozzle first to one nostril and then to the other.

BAKED SWEET APPLES.—Wash them clean, do not core them, put them in a baking pan with a little water in it, and set them in the oven, and bake slowly for several hours. When done they are of a rich dark brown color. If taken from the oven too soon they are insipid.

NICE GRAVY is made of browned flour (a quart of which may be browned at a time and kept for gravies) and any kind of meat liquor or soup stock from which all fat has been removed. It is made also by stirring into melted butter over the fire raw

flour and cooking it till it is brown, then adding meat liquor to it until the gravy is of the proper consistency. Gravies should always be made over a quick fire, and not simmer but boil.

MUSLINS.—Delicately colored muslins should not be cleansed with soap suds, but with bran water. Two quarts of wheat-bran boiled in a gallon of water will suffice for one dress. Strain the liquor and use it like soap suds; rinse in one water and do not starch.

OVER-RIPE FRUITS AND UNDER-RIPE VEGETABLES are prolific sources of Summer complaints. When these have been indulged in to one's injury, lying still and dieting will often cure without any medication. The diet should be very simple and consist of broth, toast, boiled milk, dropped eggs, parched rice, beef-tea and such kinds of food. A flannel worn over the bowels is a very great help in bowel troubles, when there is a sensation of coldness in that region. This of itself will sometimes cure. New potatoes are more wholesome baked than boiled, and cucumbers fried than eaten raw.

FOR SORE THROAT.—To be used as a gargle in case of fixed inflammation, or when inflammatory action is incipient. Swallow a teaspoonful five or six times a day:—Chlorate of potash, 1-4 oz., and muriate of ammonia 1-4 oz.; Dissolve in 4 oz. water, or as much as a small tumbler will hold.

ANOTHER REMEDY FOR SORE THROAT, (by Prof. Thomas B. Underhill.)—Chlorate of Potash 2 drams, muriate of ammonia, 2 drams, fluid extract of licorice, 4 drams, and water to complete 4 oz. in all. Teaspoonful once in 3 or 4 hours.

OIL-CLOTHS should be washed with lukewarm water and soft flannel, wiped perfectly dry, and then rubbed over with a cloth wrung from skim-milk and water. Soap should not be used on oil-cloths, as it draws the oil from the paint and gives them a dull appearance, besides hastening their decay. Some apply to oil-cloths when new, one or two coats of linseed oil, and when this is dry add one or two coats of varnish. This treatment makes them softer and more durable.

GOOD THINGS TO EAT.

SALLIE LUNN.—Four eggs, four cups of milk, six cups of flour, two tablespoonfuls of melted butter, two tablespoonfuls of sugar, one teaspoonful of soda, two teaspoonfuls of cream tartar. Bake in a quick oven.

KISSES.—Beat well the whites of two eggs, add one cup of sugar, flavor with vanilla, drop onto buttered tin, and bake quickly.

SILVER CAKE.—Two cups of flour, the whites of four eggs, one-half cup of sweet milk; one teaspoonful of cream tartar, one-half teaspoonful of soda. Flavor to taste.

DROP CAKES.—Two cups of flour, two cups of milk and two eggs. Bake in a very quick oven.

QUEEN OF PUDDINGS.—One pint nice bread crumbs, one quart of milk, one cup of sugar, yolks of four eggs beaten, the grated rind of one lemon, and the juice stirred into the sugar. Bake lightly. Beat the whites of the eggs to a stiff froth, and add four tablespoonfuls of powdered sugar. Spread a thin layer of jelly over the pudding, then the whites of the eggs, and replace in the oven to brown. To be eaten cold.

ODDS AND ENDS.

How to acquire short-hand—fool around a buzz saw.

A doctor's motto is supposed to be, "Patience and long suffering."

To young ladies—How to make an impression at the seaside—Sit down in the wet sand.

Why is a hen sitting on a fence like a penny? Because she has a head on one side and a tail on the other.

If it cost anything to go to church, people who never go now would run around like wild men for free passes.

Many times when Washington was supposed to be swearing, he was merely alluding to Martha's first husband.

The period spent by the chickens in the shell might be designated as the inter-eggnum.

Cork-screws have sunk more people than cork life-preservers will ever save.

"How greedy you are!" said one little girl to another, who took the best apple in the dish; "I was going to take that."

A farmer found a potato-bug on his dinner table the other day, and thus to the bug he ejaculated: "Good heavens! have you got to have your potatoes cooked this year?"

"Ah," said the fly, as it crawled around the bottle, "I have passed through the hatching age, the creeping age, the flying age, and now I am in the mucilage, and—" there it stuck.

"Ma," said a precious youngster, at tea table the other evening, after a long and yearning gaze toward a plate of doughnuts, "do you think I could stand another of those fried holes?"

It is a bad plan to divide a sermon into too many heads for this reason, that there may be considerable difficulty on the part of the congregation in finding ears for all of them.

A Sunday School teacher was telling her scholars the other Sunday about a bad boy who stole \$100, when she was interrupted by one of her audience with the query: "And how did he get such a bully chance?"

ONE REASON AS GOOD AS ANOTHER. "Lizzie, darling, why do you wear another woman's hair?" Lizzie—"Gussie, dear, why do you wear another cat—I mean, why do you wear calf skin on your hands?"—[Fun.

"Whisky is your greatest enemy," said a minister to deacon Jones. "But, said Jones, 'don't the Bible say, Mr. Preacher, that we are to love our enemies?'" "Oh, yes, Deacon Jones; but it don't say we are to swallow them."

A man whose knowledge is based on actual experience says that when calling on their sweethearts young men should carry affection in their hearts, perfection in their manners, and confection in their pockets.

The man who kant talk with yu 10 minnits on an ordinary bizzness subjekt without expressing a grate anxiety about the welfare ov yure soul, wants the klussest kind ov watching. [Josh Billings.

THE ARGUMENTUM AD.—"Sam, you are not honest. Why do you put all the good peaches on top of the measure, and the little ones below?" Same reason, sah, dat makes de front of your house marble and de back gate chiefly sloop bar'l, sah."—[Boston Transcript.

Stepping into a lager beer saloon which was swarming with flies, on Saturday, a customer asked the proprietor why he did not get some fly paper and catch the insects. His reply was, "Vell, you see, ven I gets dot baper und puts it on der counter, dey spihle it in five minutes."—[Rochester Union.

Nurse—"Did you put that nasty mud on the doorstep, Master Charles?" Little Master Charles—"No, nurse." Nurse (artfully)—"But I saw you from the window." Charles—(more artfully)—"That you didn't for I looked up to all the windows before I did it."—[Judy.

THE YOUNG IDEA.—Governess (desirous of explaining the word "Enough"—Now, suppose, Freddy, that you give pussy all the milk she can lap, all the meat she can eat, and all the sweet cake she can eat—what will she have?—Freddy—(with surprising alacrity)—Kittens!—[Funny Folks.

Jefferson, in a letter to John Jay, ninety years ago, said: "Cultivators of the earth are the most valuable citizens. They are the most vigorous, the most independent, the most virtuous, and they are tied to the country and wedded to its liberty and interests by its most lasting bonds."

A little boy, hearing some one remark that nothing was quicker than thought, said, "I know something that is quicker than thought. 'What is it, Johnny?" asked his pa. "Whistling," said Johnny. "When I was in school yesterday, I whistled before I thought, and got licked for it, too."

A little five year old daughter of one of our prominent business men, in offering up her evening prayer recently, uttered the following: "God bless mamma, bless papa, and make him buy me a dog—a great big one, that'll whip the devil out of 'em."—Bradford Breeze.

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